Eskom	Strategy	Engineering

Title: Tender Technical Evaluation Strategy for Supply and Delivery of new C&I Equipment (Thermocouples and gauges)

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Compiled by	Functional Responsibility	Authorised by
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TABLES

1. INTRODUCTION

Matla Power Station is intending to request Contractors/Suppliers to tender for supplying and delivering new C & I Equipment (Thermocouples and Gauges) as per Scope- **MEC-05908** The spares are to be supplied and delivered for a period of five (5) years

The evaluation of the of the tender is based on the tenderer's ability to meet both mandatory and qualitative requirements specified for the scope of work- **MEC-05908** A weighted score card approach will be used to evaluate the tenders against the *Employer's* requirements

2. SUPPORTING CLAUSES

2.1 SCOPE

This purpose of this document is to provide technical evaluation strategy for the scope of work- **MEC-05908,** to supply and deliver new C & I Equipment (Thermocouples and Gauges) to Matla Power Station for a period of Five (5) years This document will cover the various aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation of the enquiry The team members are listed and appointed in this document along with their responsibilities The document also describes the acceptable and unacceptable risks and qualifications and/or conditions

The Technical Evaluation Strategy will define the following technical evaluation criteria

- Mandatory Evaluation Criteria
- Qualitative Evaluation Criteria
- TET Member Responsibilities
- Acceptable / Unacceptable Qualifications

Once the Technical Evaluation Strategy is authorised no changes will be made to the evaluation criteria without appropriate authorisation

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation The technical evaluation strategy serves as basis for the tender technical evaluation process

2.1.2 Applicability

This document is applicable to Matla Power Station

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs

2.2.1 Normative

[1] 240-48929482 Tender Technical Evaluation Procedure

[2] ISO 9001 Quality Management Systems

[3] 240-12238652 Supplier Quality Management List of Tender Returnable Documents

[4] 240-105658000 Supplier Quality Management Specification

2.2.2 Informative

[5] Scope of work – **MEC-05908 Scope of work for supply and delivery of new C & I Equipment (Thermocouples and Gauges)**

2.3 DEFINITIONS

No Definitions required

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary)

2.4 ABBREVIATIONS

Abbreviation	Description
TET	Technical Evaluation Team
SE	System Engineer
C&I	Control & Instrumentation
RFP	Request for proposal
EDWL	Engineering Design Work Lead
RFQ	Request for Quotation
SANS	South African National Standards

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482 Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Scope - **MEC-05908** Scope of work for supply and delivery of new C & I Equipment (Thermocouples and gauges)

2.8 TECHNICAL

Evaluation Threshold

All TET members as defined in the Tender Technical Evaluation Strategy (and specifically TET member responsibilities) shall independently evaluate each tender in terms of compliance to the defined Mandatory Evaluation Criteria Each TET member shall provide an individual scoring form on the compliance / non-compliance of all tenderers' responses to the Mandatory Evaluation Criteria Each TET member shall provide clear justification(s) for each Mandatory Criteria evaluated as non-compliant ('NO') All individual scoring forms shall be evaluated by the SE to check for consistency in scoring of the Mandatory Evaluation Criteria Should the SE find inconsistency in the scoring, an internal clarification meeting shall be conducted with all TET members (who performed the evaluation) in the presence of the Commercial Representative This meeting shall aim to jointly establish which of the tenderers

qualify for the next phase of Qualitative Technical Evaluation In the case where no tenderer meets all Mandatory Evaluation Criteria this shall be formally escalated to the Commercial Representative who shall guide the subsequent process All meeting minutes shall be recorded and distributed to the Commercial Representative and included in the Tender Technical Evaluation Report

Qualitative Criteria Evaluation

Tenderers that have met all the Mandatory Evaluation Criteria shall be evaluated against the Qualitative Criteria as defined in the Tender Technical Evaluation Strategy The scoring of qualitative criteria shall be based on the degree of achievement by the tenderer to meet the technical requirements A score shall be allocated as per Table 2 1 Qualitative Evaluation Criteria Scoring Table, for each technical qualitative criterion Each TET member shall populate a Tender Technical Evaluation Scoring Form for each tenderer Note Individual Qualitative Criteria scores shall only be finalised after all clarification sessions have been concluded

Table 2.1: Qualitative Evaluation Criteria scoring table

Score	%	Definition
5	100	**COMPLIANT** - Meet technical requirement(s) AND - No foreseen technical risk(s) in meeting technical requirements
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** - Meet technical requirement(s) with - Acceptable technical risk(s) AND/OR - Acceptable exceptions AND/OR - Acceptable conditions
2	40	**NON-COMPLIANT** - Does not meet technical requirement(s) AND/OR - Unacceptable technical risk(s) AND/OR - Unacceptable exceptions AND/OR - Unacceptable conditions
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE** - Major exceptions or conditions No technical response provided AND/OR - Submission is irrelevant or completely non-compliant to requirement(s)
Note 1 The scoring table does not allow for scoring of 1 and 3 Note 2 Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy		

2.9 TET MEMBERS

It is noted as part of the Tender Technical Evaluation Procedure that three TET members are required to evaluate a specific criterion

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%

Table 2.2: TET Members

TET No.	TET Member Name	Designation
TET 1	Nhlakanipho Molefe	System Engineer
TET 2	Hope Zulu	C&I Senior Supervisor
TET 3	Photo Mathaba	C&I Engineering Technologist

2.10 MANDATORY TECHNICAL EVALUATION CRITERIA

Gatekeepers identified in the tender document will be "must meet" criteria identified in tabular questionnaire form The *Contractor(s)* tender will be assessed based upon questionnaire seeking **YES** or **NO** response from the *Contractor(s)* with no point scores or weighted averaged assigned to the response

Response of **NO** against any criteria will be elimination of the *Contractor(s)* tender for further consideration or short listing for detailed technical evaluation Gatekeepers will be minimum criterion elements with most significant and critical parameters applicable to the successful execution of the RFP **Table 2.3** lists the mandatory gatekeeper questionnaires identified for the subject RFQ

Table 2.3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Evaluation Criteria	Meet (YES / NO)	Motivation & Comments
1	Declaration of compliance to the full scope of work	The tenderer provides a declaration letter signed by the company representative indicating compliance to the full scope of work	The contractor must demonstrate • Compliance to scope of work • Intent to undertake full scope of work **MEC-05908** Compliance to standards and specifications if applicable
2	Availability of instruments listed in Appendix A within South Africa	The tenderer shall submit a letter confirming that all instruments listed in Appendix A are readily available in South Africa, with local suppliers and spare parts support for at least 5 years	This criterion ensures continued local availability of spares, thereby minimising equipment downtime and delays in cases of high demand or urgent replacement needs
	Result *Note A response of "NO" to any of the Mandatory Evaluation Criteria would result in a "NO"*		

2.11 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2.4: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Score	Criteria Sub Weighting (%)
Control & Instrumentation Engineering			**100%**		
Statement of the scope including the following:					
1	Company Experience	Tenderer to submit evidence of previous supply and delivery contracts/orders executed for C&I instruments inclusive of Thermocouples, Gauges and RTDs Reference list must include client contact details, order numbers and/or contract numbers	3+ supply and deliveries evidence	5	30%
			2 supply and deliveries evidence	4	
			1 supply and delivery evidence	2	
			No submission	0	
2	Delivery Time of Equipment	Tenderer to submit a Letter or Memo from the OEM confirming the lead time for delivery of all instruments listed in Appendix A	Less or equals to 3 weeks	5	30%
			Between 4-6 weeks	4	
			More than 6 weeks	2	
			No proof submitted	0	
3	Field Equipment Manufacturing Test Reports / Certificates	Tenderer to submit current or previous test reports / certificates for the instruments listed in Appendix A	9 or more Test reports/ certificates submitted	5	10%

		showing compliance with IEC 60584 and / or SANAS standards, model numbers and specifications	5 to 8 Test reports/ certificates submitted	4	
			1 to 4 Test reports/ certificate es submitted	2	
			Nonresponsive or No submission of test reports/ certificates	0	
4	Method Statement for Storage, Handling and Transportation of Instruments	Tenderer to submit a Method Statement covering Storage, Handling and Transportation of instruments in line with IEC 60721 standards The statement must address the following topics ▪ Storage requirements (climatic conditions, humidity, thermal insulation, ingress protection, chemical and vibration precautions) ▪ Transportation requirements (temperature, humidity, mechanical damage precautions) ▪ Storeroom requirements (access, racks, surface finishes) The method statement must cover the topics listed below Each topic is scored points as indicated below **Storage Requirements - 55 pts** ▪ Climatic conditions – 15pts ▪ Humidity - 10 pts ▪ Importance of thermal wall insulation - 10 pts ▪ Ingress protection - 10 pts ▪ Precautions against chemical conditions - 5 pts ▪ Precautions against vibration - 5 pts **Transportation Requirements - 30 pts** ▪ Transport temperatures (ventilated & unventilated) - 15 pts	Method Statement comprehensive and fully compliant (90 – 100 pts)	5	30%
			Method Statement substantive, meets most requirements (70–89 pts)	4	
			Method Statement incomplete or contains key gaps (50 – 69 pts)	2	
			Nonresponsive or scored below 50 pts / not submitted	0	

		▪ Transport humidity range - 10pts ▪ Precautions against mechanical damage - 5pts **Storeroom Requirements - 15 pts** ▪ Storeroom access - 5pts ▪ Storage racks - 5pts ▪ Surface finishes (walls & floors) - 5pts			

2.12 TET MEMBER RESPONSIBILITIES

Table 2.5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	x	x	x
2	x	x	x
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**
1	x	x	x
2	x	x	x
3	x	x	x
4	x	x	x

2.13 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

2.13.1 Risks

Table 2.6: Acceptable Technical Risks

Risk	Description
1	**Method statement supplied but lacking in minor information that can be clarified or negotiated without compromising compliance.**
2	**Incomplete but traceable test reports (Criterion 1.3) e.g, missing some historical certificates, but traceability and model compliance are verifiable with the OEM.**

Table 2.7: Unacceptable Technical Risks

Risk	Description
1	Non-submission of the Declaration of Compliance (Mandatory Criterion 1), tenderer fails to confirm full compliance with the scope MEC-05908.
2	No confirmation of local availability (Mandatory Criterion 2), supplier cannot prove South African support or spares for 5 years
3	Missing or irrelevant test certificates (Criterion 1.3), no proof of compliance to the listed instruments or incorrect models submitted
4	Incomplete or poor method statement (Criterion 1.4), fails to address key requirements under IEC 60721 or omits critical handling or transport conditions.

2.13.2 Exceptions / Conditions

Table 2.8: Acceptable Technical Exceptions / Conditions

Risk	Description
1	**None**

Table 2.9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	**Material not meeting the Eskom standards, SANAS and IEC standards**
2	**Unsafe work practices**

3. AUTHORISATION

This document has been seen and accepted by

Name	Designation	Signature
Katlego Mangope	C&I Engineering Line Manager	
Lindokuhle Ngobese	Engineering Manager	

4. REVISIONS

Date	Rev.	Compiler	Remarks
Oct 2025	0	Nhlaka Molefe	Technical Evaluation Strategy for supplying and delivering new C & I Equipment (Thermocouples and gauges) to Matla Power Station for period of five (5) years

5. DEVELOPMENT TEAM

The following people were involved in the development of this document

- Nhlaka Molefe

6. ACKNOWLEDGEMENTS

None

7. APPENDIX A: TENDER RETURNABLES

Item No.	Material Number	Full description of Material/Spares/Equipment	Warranty (Yes/No)	Support form OEM (Yes/No)	Committed Delivery Time	Stock Level Kept in Storage
1	227204	TRANSMITTER, TEMPERATURE RANGE -20 TO 80 DEG C, OUTPUT 4-20 MA, SUPPLY 24 VDC, TYPE RTD PROGRAMMABLE, MOUNT HEAD, CONNECTION NPT 1/2 IN, SUPPL P/N SHE 56173, RTD COMPLETE WITH HEAD MOUNT TRANSMITTER, LENGHT TO BEGINNING OF 1/2 INCH NPT FITTING 100MM, OD 6MM				
2	120800	DETECTOR, RESISTANCE TEMPERATURE TYPE SIMPLEX, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 3, SHEATH MATERIAL SS GR 316, HEAD YES, REFERENCE NO 102C009401, UNK, ELEMENT SIZE 6MM DIA X 170MM LG, SINGLE ELEMENT, MINERAL INSULATED, COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD, TYPE OF RTD TO BE MARKED PERMANENTLY ON HEAD				
3	143824	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 40-70 DEG C, RESISTANCE 3 MA, WIRE 3, SHEATH MATERIAL SS, OEM P/N 45-53070, DRAWING NO 45-10761-SP11T002 REV A, 45-10761-SP11T003 REV A, 45-10761-SP11T011 REV A, 45-10761-SP11T021 REV A, 45-10761-SP11T022 REV A, ELEMENT MATERIAL NICKEL, FOR STATOR COOLING LIQUID SYSTEM ON 600MW TURBO GENERATORS, RTD1-S04				
4	148102	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS GR 316, HEAD YES, REFERENCE NO B25-290-75-3P100, UNK, DEVICE, SINGLE ELEMENT, MINERAL INSULATED, COMPLETE WITH SMALL DIE CAST HEAD, TYPE TO BE MARKED PERMANENTLY ON HEAD, ELEMENT SIZE 6MM DIA X 260MM LG				
5	150518	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION NPT 1/2 IN, HEAD YES, REFERENCE NO C74451-A184-A1, UNK, ELEMENT SIZE 5MM DIA X				

		310MM LG, WITH SCREW CONNECTOR, SINGLE ELEMENT, MINERAL INSULATED, COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD, TYPE OF RTD TO BE MARKED PERMANENTLY ON HEAD				
6	151874	DETECTOR, RESISTANCE TEMPERATURE TYPE PYRO, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, SHEATH LENGTH 150 MM, WIRE 3, SHEATH DIAMETER 20 MM, MODEL NO PT100, UNK, ELEMENT SIZE 6MM DIA X 80MM LG, MINERAL INSULATED PYRO TYPE, 1.5MM PITCH THREADED SHAFT SLEEVE WITH 30MM OUTSIDE DIAMETER HEXAGON SHOULDER AND 1 LOCK NUT, LENGTH OF THREAD 35MM, LENGTH FROM ELEMENT TO BEGINNING OF THREAD 80MM, TO HAVE PVC FLEXIBLE LEAD 6000MM LONG, COLOUR OF TAILS 2 X BROWN, 1 X YELLOW, MUST BE ABLE TO WITH STAND A CERTAIN AMOUNT OF VIBRATION				
7	156019	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, HEAD YES, REFERENCE NO BR3-4, UNK, ELEMENT SIZE 8MM DIA X 200MM LG, DEVICE WITH MALE SCREW CONNECTOR, SINGLE ELEMENT, MINERAL INSULATED, TOTAL LENGTH 200MM, OUTSIDE DIAMETER 8MM, LENGTH OF STEM BELOW SCREW CONNECTOR 86MM, SIZE OF SCREW CONNECTOR 26MM X 2MM PITCH, LENGTH OF THREAD 13MM, STAINLESS STEEL STEM, LARGE ALUMINIUM KH				
8	156018	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS, HEAD YES, REFERENCE NO BFL50, UNK, ELEMENT SIZE 8MM DIA X 195MM LG, DEVICE WITH 165MM OUTSIDE DIAMETER STAINLESS STEEL FLANGE, SINGLE ELEMENT, MINERAL INSULATED, TOTAL LENGTH 195MM, OUTSIDE DIAMETER 8MM, LENGTH OF STEM BELOW FLANGE 100MM, THICKNESS OF FLANGE 15MM, SIZE OF FOUR HOLES IN FLANGE 17 4MM OUTSIDE DIAMETER, STAINLESS STEEL STEM, ALUMINIUM KH LARGE				
9	155842	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS GR 316, HEAD YES, DEVICE LENGTH TO BEGINNING OF EXTENSION 187MM, OUTSIDE DIAMETER 6MM, COMPLETE WITH M18 X				

		1 5MM PITCH X 12MM OUTSIDE DIAMETER STAINLESS STEEL CONNECTION AND LARGE DIE CAST ALUMINIUM, TO BE SPRING LOADED, LENGTH INCLUDING EXTENSION 347MM, MINERAL INSULATED, CONTINIOUS RATING 540 DEGREE CELCIUS, TO BE MARKED PERMANENTLY ON TWO WIRE SYSTEM, ELEMENT SIZE 6MM DIA X 187MM LG				
10	155905	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION NPT 1/2 IN, HEAD YES, MODEL NO PT100, ELEMENT SIZE 5MM DIA X 120MM LG, SINGLE ELEMENT, MINERAL INSULATED, TO BEGINING OF THREAD, COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD, TYPE TO BE MARKED PERMANANTLY ON HEAD				
11	155976	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION NPT 1/2 IN, HEAD YES, REFERENCE NO O214-293, ELEMENT SIZE 5MM DIA X 205MM LG, WITH SINGLE ELEMENT, MINERAL INSULATED, COMPLETE WITH SMALL DIE CAST HEAD, TYPE OF RTD TO BE MARKED PERMANENTLY				
12	246850	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 100 DEG C, RESISTANCE 100 OHM, SHEATH LENGTH 135 MM, SHEATH MATERIAL SS GR 316, NUMBER OF SENSORS SINGLE, REFERENCE NO PT100, UNK, SUPPL P/N SHE52552, FOR DUST PLANT BLOWERS, 7 M TEF/TEF S/S				
13	153524	DETECTOR, RESISTANCE TEMPERATURE SHEATH LENGTH 150 MM, WIRE 3, SHEATH MATERIAL SS, SHEATH DIAMETER 20 MM, MODEL NO PT100, UNK, ELEMENT MATERIAL NICKEL, ELEMENT SIZE 150MM DIA X 6MM LG, MINERAL INSULATED PYRO TYPE, WITH THREADED SHAFT SLEEVE WITH 30MM OUTSIDE DIAMETER HEXAGON SHOULDER AND 1 LOCK NUT, LENGTH OF THREAD 35MM, OUTSIDE DIAMETER OF RTD 6MM, LENGTH FROM ELEMENT TO BEGINNING OF THREAD 80MM, TO HAVE PVC FLEXIBLE LEAD 1500MM LONG WITH 500MM STAINLESS STEEL SPRAG, COLOUR OF TAIL 2 X BROWN, 1 X YELLOW, MUST BE ABLE TO WITHSTAND A CERTAIN AMOUNT OF VIBRATION				
14	156020	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 0-100 DEG C, WIRE 2, SHEATH MATERIAL SS, HEAD YES, MODEL NO				

		PT100, OHM 100 OHM, ELEMENT SIZE 12MM DIA X 350MM LG, WITH 115MM OUTSIDE DIAMETER STAINLESS STEEL FLANGE, SINGLE ELEMENT, MINERAL INSULATED, LENGTH OF STEM BELOW FLANGE 250MM, THICKNESS OF FLANGE 14MM, SIZE OF FOUR HOLES IN FLANGE 14MM OUTSIDE DIAMETER, LARGE ALUMINIUM HEAD KH				
15	155894	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 3, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION NPT 1/2 IN, ELEMENT SIZE 293 MM LG, DOUBLE ELEMENT, MINERAL INSULATED, FROM ELEMENT SIDE FIRST 235MM/ 6MM OUTSIDE DIAMETER, NEXT 42MM/16MM OUTSIDE DIAMETER, LAST 16MM, COMPLETE WITH 60MM PIGTAILS, TYPE TO BE ENGRAVED OR ETCHED ON STEM				
16	243078	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 300 DEG C, RESISTANCE 100 OHM, WIRE 4, SHEATH SIZE 6 MM, SHEATH MATERIAL SS, SHEATH DIAMETER 6 MM, NUMBER OF SENSORS SINGLE, REFERENCE NO PT100 4942920001~DETECTOR,4942920001, UNK, 632 MM TO BELOW PLATE				
17	155996	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 2, SHEATH MATERIAL SS GR 316, HEAD YES, MODEL NO PT100, UNK, ELEMENT SIZE 6MM DIA X 740MM LG, DOUBLE ELEMENT, MINERAL INSULATED, WITH 43MM OUTSIDE DIAMETER SPRINGLOADED CERAMIC BLOCK TO FIT ALUMINIUM HEAD, TYPE TO BE MARKED PERMANANTLY				
18	155833	DETECTOR, RESISTANCE TEMPERATURE TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, SHEATH LENGTH 820 MM, WIRE 2, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION NPT 1/2 IN, HEAD YES, SHEATH DIAMETER 5 MM, MODEL NO PT100, WITH MALE SCREW CONNECTOR, SINGLE ELEMENT, MINERAL INSULATEDCOMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD, TYPE TO BE MARKED PERMANENTLY ON HEAD				
19	155902	DETECTOR, RESISTANCE TEMPERATURE TYPE PT100, TEMPERATURE RATING 0-100 DEG C, RESISTANCE 100 OHM, WIRE 3, SHEATH MATERIAL SS GR 316, HEAD YES, ELEMENT SIZE 6MM DIA X 2000MM LG, DEVICE DOUBLE ELEMENT, MINERAL INSULATED, LENGTH 2000MM, OUTSIDE DIAMETER 6MM WITH 43MM OUTSIDE DIAMETER, PLATE AND				

		CERAMIC BLOCK TO FIT ALUMINIUM HEAD, TO BE MARKED PERMANENTLY ON PLATE				
20	145238	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 80 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH 51MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT KH HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1MM				
21	153410	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 90 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, WIRE SIZE 1MM				
22	145238	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 80 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH 51MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT KH HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1MM				
23	145239	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 105 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, FROM HOT JUNCTION FIRST 15MM MUST BE 3MM OUTSIDE DIAMETER, NEXT 50MM MUST BE 6MM OUTSIDE DIAMETER, FINAL 40MM MUST BE 12MM OUTSIDE DIAMETER, MINERAL INSULATED, CONNECTION COMPRESSION, WIRE SIZE 1MM				
24	153432	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 110 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
25	153412	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 120 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, REFERENCE NO PSKWKZE60-				

		150-250, UNK, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
26	153411	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 125 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, REFERENCE NO PSKWKZE60-120-250, UNK, WITH SMALL DIE CAST HEAD, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, MINERAL INSULATED, CONNECTION COMPRESSION, WIRE SIZE 1MM				
27	153413	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 150 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, REFERENCE NO PSKWKZE60-180-250, UNK, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
28	155799	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 160 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, REFERENCE NO K-160-M20-51, UNK, COMPLETE WITH M20 X 1 5MM PITCH, WITH SEALING O-RING AND SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG, CONNECTION QUICK DISCONNECT, WIRE SIZE 1MM				
29	145241	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 160 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, MATERIAL TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
30	239018	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 200 MM, TEMPERATURE RANGE 500 DEG C, SHEATH MATERIAL SS, PROCESS CONNECTION COMPRESSION, JUNCTION SIMPLEX, UNGROUNDED, HEAD YES, 1 5MM WIRE SIZE, WITH SMALL DIE CAST ALUMINIUM HEAD				

31	145240	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 205 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, FROM HOT JUCTION THE FIRST 23MM MUST BE 3MM OD, THE NEXT 140MM MUST BE 6MM OD, THE FINAL 42MM MUST BE 12MM OD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
32	198211	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 240 MM, TEMPERATURE RANGE 0-600 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SIMPLEX, UNGROUNDED, HEAD YES, SUPPL P/N T1-TAA-KSS60, WITH LARGE ANSI HEAD AND T19 ANALOG HEAD MOUNT TRANSMITTER, CONNECTION NONE				
33	153424	THERMOCOUPLE TYPE K, SHEATH DIAMETER 1 5 MM, DESIGN LENGTH 245 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SIMPLEX, UNGROUNDED, WITH POTSEAL AND 100MM PIGTAILS, FROM HOT JUNCTION 1ST 15MM MUST BE 1 5MM OUTSIDE DIAMETER, NEXT 105MM MUST BE 3MM OUTSIDE DIAMETER AND THE FINAL 125MM MUST BE 1 5MM OUTSIDE DIAMETER, THE POTSEAL MUST HAVE A 1 MM WIDE GROOVE AND THE OUTSIDE DIAMETER 12MM AND REDUCING TO 6MM OUTSIDE DIAMETER, THE 3MM SECTION MUST HAVE A 6MM WASHER SOLDERED 75MM FROM THE BEGINNING OF THE 3MM SECTION, COMPLETE WITH SPRING AND M10 X 1 5MM PITCH SECURING SCREW BEHIND SOLDERED WASHER, CONNECTION QUICK DISCONNECT, WIRE SIZE 1 5MM				
34	153425	THERMOCOUPLE TYPE K, SHEATH DIAMETER 1 5 MM, DESIGN LENGTH 505 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SIMPLEX, UNGROUNDED, WITH POTSEAL AND 100MM PIGTAILS, FROM HOT JUNCTION 1ST 15MM MUST BE 1 5MM OUTSIDE DIAMETER, NEXT 105MM MUST BE 3MM OUTSIDE DIAMETER AND THE FINAL 385MM MUST BE 1 5MM, THE POT SEAL MUST HAVE A 1MM WIDE GROOVE AND THE OUTSIDE DIAMETER 12MM AND REDUCING TO 6MM OUTSIDE DIAMETER, THE 3MM SECTION MUST HAVE A 6MM OUTSIDE DIAMETER X 1 5MM WIDE WASHER SOLDERED 75MM FROM THE BEGINNING OF THE 3MM SECTION, COMPLETE WITH SPRING AND M10 X 1 5MM PITCH SECURING SCREW BEHIND				

		SOLDERED WASHER, CONNECTION QUICK DISCONNECT, WIRE SIZE 1MM				
35	155967	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 187 MM, TEMPERATURE RANGE 540 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION 18 MM NPT, JUNCTION DUPLEX, HEAD YES, SUPPL P/N K-187-M18-AH, COMPLETE WITH M18 X 1 5MM PITCH X 12MM OUTSIDE DIAMETER, STAINLESS STEEL CONNECTION AND LARGE DIE CAST ALUMINIUM HEAD, THERMOCOUPLE TO BE SPRING LOADED, LENGTH INCLUDING EXTENSION 347MM, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG, WIRE SIZE 1MM				
36	145242	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 255 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, OVERALL LENGTH EXCLUDING HEAD, FROM HOT JUNCTION THE FIRST 23MM MUST BE 3MM OD, NEXT 190MM MUST BE 6MM OD AND FINAL 42MM MUST BE 12MM OD, TYPE TO BE MARKED ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
37	145243	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 270 MM, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST HEAD, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, MINERAL INSULATED, CONNECTION COMPRESSION, WIRE SIZE 1MM				
38	145244	THERMOCOUPLE TYPE K, SHEATH DIAMETER 10 MM, DESIGN LENGTH 260 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
39	153433	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 294 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, FROM HOT JUNCTION FIRST 22MM OD IS 3MM, NEXT 230MM				

		MUST BE 6MM OD, FINAL 42MM MUST BE 12MM OD, MINERAL INSULATED, CONNECTION COMPRESSION, WIRE SIZE 1MM				
40	155897	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 295 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, WITH 43MM OUTSIDE DIAMETER PLATE AND 55MM PIGTAILS, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1 5MM				
41	153038	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 310 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH 43MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK, TO FIT AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1MM				
42	155860	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 375 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
43	155872	THERMOCOUPLE SHEATH DIAMETER 4 MM, DESIGN LENGTH 115 MM, SHEATH MATERIAL NICHROME NI-CR-NI, PROCESS CONNECTION OPEN ENDED, JUNCTION NOT GROUNDED, WIRES 2, OEM P/N 9133-022, OEM GE STEAM POWER SERVICE, DRAWING NO 9133-022 REV 0, TAIL LG 8 M, WIRE SIZE 2 MM, FOR AUXILIARIES, TEMPERATURE MEASUREMENT JOURNAL BEARING, MAN ONLY ACCEPTABLE				
44	145245	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 440 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, MM OUTSIDE DIAMETER, COMPLETE WITH 1M PIGTAIL, CONNECTION COMPRESSION, WIRE SIZE 1MM				
45	145246	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 500 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, FROM HOT JUNCTION FIRST 22MM MUST BE 3MM OUTSIDE DIAMETER, NEXT 433MM MUST BE 6MM OUTSIDE DIAMETER, FINAL 45MM MUST BE 12MM OUTSIDE DIAMETER, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				

46	145247	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 780 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, FROM HOT JUNCTION FIRST 23MM MUST BE 3MM OUTSIDE DIAMETER, NEXT 720MM MUST BE 6MM OUTSIDE DIAMETER, FINAL 37MM MUST BE 12MM OUTSIDE DIAMETER, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
47	151873	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 380 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
48	153035	THERMOCOUPLE TYPE K, SHEATH DIAMETER 8 MM, DESIGN LENGTH 145 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS, PROCESS CONNECTION 1/2 IN-BSP, JUNCTION SINGLE, HEAD YES, REFERENCE NO K-145-850-0,5 AH, UNK, COMPLETE WITH 850MM FLEXIBLE EXTENSION, BRASS CONNECTION AND LARGE AL HEAD, FLEXIBLE ARMOURED SHEATH, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, MUST BE SIMILAR TO REDLAND ENGINEERING, WIRE SIZE 1MM				
49	153422	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 1 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION WITHOUT FITTING, JUNCTION SINGLE, 1 MM WIRE SIZE, CONNECTION COMPRESSION, WITH 10M BRAIDED PIGTAIL, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANANTLY ON SHEATH				
50	153423	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 3 7 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SIMPLEX, UNGROUNDED, HEAD YES, WITH LARGE DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1MM				
51	155800	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 390 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION NPT 12 MM, JUNCTION SING*LE, HEAD YES, REFERENCE NO K-390-M12-5H, UNK, COMPLETE WITH M12				

		X 1 75MM PITCH, FIXED BRS CONNECTION AND LOCK NUT, WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG, WIRE SIZE 1MM				
52	155801	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 853 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, REFERENCE NO K-853-M20-5H, UNK, COMPLETE WITH M20 X 1 5MM PITCH, SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG, CONNECTION QUICK DISCONNECT, WIRE SIZE 1MM				
53	155848	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 890 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH SMALL DIE CAST ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD				
54	155861	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 1 438 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH SMALL DIE CAST ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD				
55	155862	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 710 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, WITH 100MM PIGTAILS, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON SHEATH, CONNECTION COMPRESSION, WIRE SIZE 1MM				
56	155863	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 1 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH SMALL DIE CAST ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD				
57	155868	THERMOCOUPLE TYPE K, SHEATH DIAMETER 4.8 MM, DESIGN LENGTH 810 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SIMPLEX, UNGROUNDED, HEAD YES, WITH SMALL DIE CAST AL HEAD, FROM HOT JUNCTION FIRST				

		700MM MUST BE 4 8MM OD, FINAL 110MM MUST BE 8MM OD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD, CONNECTION COMPRESSION, WIRE SIZE 1 MM				
58	155895	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 710 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH 43MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1MM				
59	155903	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 1 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, 1 5MM WIRE SIZE, CONNECTION COMPRESSION, WITH 80MM PIGTAIL, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON SHEATH				
60	155906	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 1 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION 1/4 IN-NPT, JUNCTION SINGLE, 1 5 MM WIRE SIZE, WITH 1500MM BRAIDED TAIL, FROM HOT JUNCTION FIRST 105MM MUST BE 3MM OUTSIDE DIAMETER WITH COMPLETE BAYONET FITTING, NEXT 895MM MUST BE 6MM OUTSIDE DIAMETER COMPLETE WITH -1/4 INCH NPT MALE BRASS CONNECTOR, CAPABLE OF BENDING, TYPE OF T/C TO BE MARKED PERMANENTLY ON SHEATH				
61	155907	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 1 34 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION 1/4 IN-NPT, JUNCTION SINGLE, 1 5MM WIRE SIZE, WITH 1500MM BRAIDED TAIL, FROM HOT JUNCTION FIRST 105MM MUST BE 3MM OUTSIDE DIAMETER WITH COMPLETE BAYONET FITTING, NEXT 1235MM MUST BE 6MM OUTSIDE DIAMETER COMPLETE WITH BRASS CONNECTOR, CAPABLE OF BENDING, TYPE OF T/C TO BE MARKED PERMANENTLY ON SHEATH				
62	155908	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 1 5 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION 1/4 IN-NPT, JUNCTION SINGLE, WITH 1500MM BRAIDED TAIL, FROM HOT JUNCTION FIRST 130 MM MUST BE 3MM OUTSIDE DIAMETER WITH COMPLETE BAYONET FITTING, NEXT 1395MM MUST BE 6MM OUTSIDE DIAMETER COMPLETE WITH -BRASS				

		CONNECTOR, CAPABLE OF BENDING, TYPE OF T/C TO BE MARKED PERMANENTLY ON SHEATH				
63	155971	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 2 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, 1MM WIRE SIZE, CONNECTION COMPRESSION, OUTSIDE DIAMETER 6MM WITH 51MM OUTSIDE DIAMETER PLATE, CERAMIC SPRING LOADED BLOCK TO FIT KH HEAD, SHEATH MATERIAL TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE				
64	155986	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 430 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH 51MM OD PLATE AND CERAMIC BLOCK TO FIT KH HEAD, MINERAL INSULATED, MEASURING RANGE 550 DEG C CONTINIOUS, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1MM				
65	155988	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 440 MM, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION SINGLE, HEAD YES, WITH 50MM OD PLATE AND SPRING LOADED CERAMIC BLOCK, TO FIT KH HEAD, MINERAL INSULATED, MEASURING RANGE 550 DEG C CONTINIOUS, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1MM				
66	156013	THERMOCOUPLE TYPE K, SHEATH DIAMETER 3 MM, DESIGN LENGTH 2 M, TEMPERATURE RANGE 0-1100 DEG C, SHEATH MATERIAL SS GR 316, JUNCTION DUAL, HEAD YES, 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH 50MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE				
67	216728	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 485 MM, TEMPERATURE RANGE 550 DEG C, SHEATH MATERIAL SS GR 316, PROCESS CONNECTION 1/2 IN-NPT, JUNCTION UNGROUNDED, HEAD YES, SUPPL P/N T1 TABKDS30, WITH 43MM OD SPRING LOADED BLOCK AND DIN CLAMP LID HEAD WITH GRADE 316 SS CONNECTOR, FROM HOT JUNCTION THE FIRST 65MM MUST BE 3MM OD AND THE FINAL 420MM MUST BE 6MM OD, LENGTH OF T/C BELOW 1/2 IN CONNECTOR 422MM, CONNECTION DUPLEX				

68	252770	THERMOCOUPLE TYPE K, SHEATH DIAMETER 1.5 MM, DESIGN LENGTH 1 5 M, TEMPERATURE RANGE 400 DEG C, SHEATH MATERIAL SS, PROCESS CONNECTION MALE 3/8 IN, JUNCTION SINGLE, SUPPL P/N 58312, PROCESS CONNECTION SCREW, COMPLETE WITH S/S MALE COMPRESSION FITTING, 1 5 MM TUBE, COLOUR OF PIGTAIL GREEN AND WHITE, WITH POTSEAL, 160 MM PIGTAIL				
69	624010	THERMOCOUPLE TYPE K, SHEATH DIAMETER 6 MM, DESIGN LENGTH 20 M, TEMPERATURE RANGE -270 T0 1260 DEG C, SHEATH MATERIAL PVS ST/ST BRAID, PROCESS CONNECTION 2 X 1/4 IN-BSP TO 6 MM PIPE MALE STUD, JUNCTION SIMPLEX, OEM P/N T1TEBKSS15, UNGROUNDED TYPE ONLY, 60MM LONG BY 1 5MM OD WITH POT SEAL SIZE 6MM BY 50MM LONG TO FIT A COMPRESSION GLAND FITTING ON, 42MM PVC WITH STAINLESS STEEL OVER BRAIS BRAIDED COMPENSATNG LEAD, TO BE SUPPLIED WITH 2 X 1/4 INCH BSP MALE STAINLESS STEEL GLAND FITTINGS				
70	701968	THERMOCOUPLE TYPE CASING, SHEATH DIAMETER 3 MM, DESIGN LENGTH 3500+15000 MM, TEMPERATURE RANGE -40 TO 1000 DEG C, SHEATH MATERIAL ALLOY STEEL, PROCESS CONNECTION DIRECT CONNECTION, JUNCTION GROUNDED, OEM P/N 9135-009, OEM GE STEAM POWER SERVICE, DRAWING NO MATLA 9135-009, FOR IP/HP TURBINE				
71	150507	TRANSMITTER, PRESSURE RANGE 4-400 BAR, OUTPUT 4-20 MA, SUPPLY 24 VDC, CONNECTION 1/2 IN-NPT, MOUNT BRACKET, SUPPL P/N 7MF4033-1GA10-1AA1-Z A01B11				
72	708491	METER TYPE ANALOG, RANGE 0-200 A, READOUT ANALOG, STYLE PANEL MOUNT, APPLICATION METERING PANEL, SPECIFICATION ISO2001, VOLTAGE 24 V, CURRENT 5 A, DIMENSIONS 72 X 72 MM, MANUF P/N BEA20MAD7, INPUT 4-20MA				
73	708492	METER TYPE ANALOG, RANGE 0-150 A, READOUT ANALOG, STYLE PANEL MOUNT, APPLICATION METERING PANEL, VOLTAGE 24 V, FREQUENCY RANGE 50 HZ, CURRENT 5 A, DIMENSIONS 72 X 72 MM, MANUF P/N BEA20MAD7, INPUT 4-20 MA				
74	155759	GAUGE, PRESSURE RANGE 0-760 WG, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
75	155970	GAUGE, PRESSURE RANGE -100 TO 1500 PA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL				

		SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
76	155765	GAUGE, PRESSURE RANGE -10 TO 6 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT PANEL, NON FILLED				
77	155766	GAUGE, PRESSURE RANGE -10 TO 15 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT PANEL, NON FILLED, FRONT FLANGE				
78	155767	GAUGE, PRESSURE RANGE -15 TO 25 KPA, DIAL SIZE 150 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL PLASTIC, TUBE MATERIAL STL, CONNECTION MATERIAL STL, CONNECTION LOCATION BOTTOM, MOUNT STEM, TYPE DIAPHRAGM, NON FILLED, WITH 10MM INLET HOLE				
79	123062	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-25 KPA, DIAL SIZE 150 MM, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM PARALEL, MOUNT PANEL, CONNECTION TYPE BSP, BACK FLANGE, STATIC PRESSURE 10 000 KPA, OVER PRESSURE 300 KPA, GLYCERINE FILLABLE, TUBE MATERIAL SS				
80	155803	GAUGE, PRESSURE RANGE 0-60 KPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
81	123009	GAUGE, PRESSURE RANGE 0-60 KPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED LIQUID NONE CONDUCTING, TYPE DIAPHRAGM, SUPPL P/N W143X10C/100, WITH ELECTRICAL CONTACT, WITH 10MM INLET HOLE, FITTED WITH ONE BUILT IN CONTACT, ONE NORMALLY OPEN CONTACT, FOR USE ON DUST HOPPERS				
82	155958	GAUGE, PRESSURE RANGE 0-100 KPA, DIAL SIZE 63 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION				

		LOCATION BACK CENTER, MOUNT STEM, FILLED GLYCERIN, TYPE BOURDON TUBE, REFERENCE NO 63-100BA, UNK				
83	155761	GAUGE, PRESSURE RANGE 0-100 KPA, DIAL SIZE 63 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK CENTER, MOUNT STEM, FILLED GLYCERIN, TYPE BOURDON TUBE				
84	155768	GAUGE, PRESSURE RANGE 0-100 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE, SUPPL P/N 100692				
85	155957	GAUGE, PRESSURE RANGE 0-100 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE, REFERENCE NO 155F, UNK				
86	155888	GAUGE, PRESSURE RANGE 0-100 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
87	155956	GAUGE, PRESSURE RANGE 0-100 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, FILLED NONE, TYPE BOURDON TUBE, COMPLETE WITH ELECTRICAL CONTACTS, FRONT FLANGE, DOUBLE CONTACTS, ONE NORMALLY OPEN AND ONE NORMALLY CLOSE, 220 VOLT, 0 7 AMP CONTACT RATING				
88	155968	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-160 KPA, DIAL SIZE 100 MM, CONNECTION SIZE 1/2 IN, CASE MATERIAL METAL, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT PANEL BACK, CONNECTION TYPE (2) BSPP, NON FILLED, STATIC PRESSURE 2500 KPA, PRESSURE CONNECTIONS TO BE IN-LINE, TUBE MATERIAL BRS				
89	155875	GAUGE, PRESSURE RANGE 0-160 KPA, DIAL SIZE 63 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL				

		SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
90	155874	GAUGE, PRESSURE RANGE 0-160 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL CC, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
91	123063	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-160 KPA, DIAL SIZE 150 MM, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, FILLED GLYCERIN, CONNECTION TYPE BSP, REFERENCE NO 5015801, UNK, 2 BOTTOM ENTRY PARALLEL NEXT TO EACH OTHER, BACK FLANGE, STATIC PRESSURE 2500 KPA, OVER PRESSURE 1000 KPA, TUBE MATERIAL SS				
92	125618	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-160 KPA, DIAL SIZE 150 MM, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, FILLED GLYCERINE, CONNECTION TYPE BSP, REFERENCE NO IV21, UNK, 2 ENTRIES NEXT TO EACH OTHER, FRONT FLANGE, STATIC PRESSURE 1600 KPA, TUBE MATERIAL SS				
93	155780	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-160 KPA, DIAL SIZE 150 MM, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK PARALEL, MOUNT PANEL, FILLED GLYCERIN, CONNECTION TYPE BSP, COMPLETE WITH ELECTRICAL CONTACTS, FRONT FLANGE, SINGLE CONTACT 1NO, MAKES ON RISING PRESSURE, 220V, 1A CONTACT RATING, MAXIMUM PRESSURE 1200 KPA, TUBE MATERIAL SS				
94	122999	GAUGE, PRESSURE RANGE 0-200 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL MS, TUBE MATERIAL SS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, SINGLE CONTACT 1NO, MAKES ON RISING PRESSURE, 220V, 1A CONTACT RATING				
95	153680	GAUGE, PRESSURE RANGE 0-250 KPA, DIAL SIZE 40 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/8 IN, CASE MATERIAL MS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK, MOUNT STEM, NON FILLED				
96	155936	GAUGE, PRESSURE RANGE 0-250 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION				

		LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
97	153006	GAUGE, PRESSURE RANGE 0-250 KPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
98	155889	GAUGE, PRESSURE RANGE 0-250 KPA, DIAL SIZE 150 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE				
99	155769	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-250 KPA, DIAL SIZE 150 MM, CONNECTION SIZE 1/2 IN, CONNECTION LOCATION BOTTOM PARALEL, CONNECTION TYPE BSP, TYPE BOURDON TUBE, BACK FLANGE, SS, STATIC PRESSURE 2500 KPA, OVER PRESSURE 1000 KPA, GLYCERINE FILLABLE				
100	153681	GAUGE, PRESSURE RANGE 0-400 KPA, DIAL SIZE 40 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/8 IN, CASE MATERIAL MS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK CENTER, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE				
101	155943	GAUGE, PRESSURE RANGE 0-400 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED GLYCERIN, TYPE BOURDON TUBE, NON FILLED				
102	155772	GAUGE, PRESSURE RANGE 0-400 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE				
103	155771	GAUGE, PRESSURE RANGE 0-400 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, GLYCERINE FILLABLE				
104	155876	GAUGE, PRESSURE RANGE 0-400 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL				

		SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
105	155896	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-400 KPA, DIAL SIZE 150 MM, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM PARALEL, MOUNT PANEL, CONNECTION TYPE BSP, BACK FLANGE, STATIC PRESSURE 4000 KPA, OVER PRESSURE 1000 KPA, GLYCERINE FILLABLE, WIKA BRAND, TUBE MATERIAL SS				
106	155946	GAUGE, PRESSURE RANGE -100 TO 500 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
107	122987	GAUGE, PRESSURE RANGE 0-500 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL MS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, WITH ELECTRICAL CONTACT, 1NO CONTACT, MAKES ON RISING PRESSURE, 220V, 1A CONTACT RATING				
108	155882	GAUGE, PRESSURE RANGE 0-600 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL BRS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT PANEL, FILLED GLYCERIN, CASE MANUFACTURING METHOD PRESSED, FRONT FLANGE, WIKA BRAND ONLY ACCEPTABLE				
109	155937	GAUGE, PRESSURE RANGE 0-600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, NON FILLED				
110	155774	GAUGE, PRESSURE RANGE 0-600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, NON FILLED, FRONT FLANGE				
111	155762	GAUGE, PRESSURE RANGE 0-600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT FLANGE FRONT, NON FILLED, WITH "U"-CLAMP, FILLABLE				

112	155775	GAUGE, PRESSURE RANGE 0-600 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
113	155782	GAUGE, PRESSURE RANGE 0-600 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS GR 316, TUBE MATERIAL SS GR 316, CONNECTION MATERIAL SS GR 316, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
114	154217	GAUGE, PRESSURE RANGE 0-800 KPA, DIAL SIZE 50 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK CENTER, MOUNT PANEL, FILLED GLYCERIN, FRONT FLANGE				
115	153007	GAUGE, PRESSURE RANGE 0-800 KPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, TYPE BOURDON TUBE, NON FILLED				
116	155773	GAUGE, PRESSURE RANGE 0-800 KPA, DIAL SIZE 150 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL MS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK, MOUNT PANEL, FILLED NONE, TYPE BOURDON TUBE, FRONT FLANGE				
117	155858	GAUGE, PRESSURE RANGE -100 TO 900 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, TYPE BOURDON TUBE, SUPPL P/N 160694, NON FILLED				
118	155942	GAUGE, PRESSURE RANGE 0-1000 KPA, DIAL SIZE 63 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
119	155777	GAUGE, PRESSURE RANGE 0-1000 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK, MOUNT STEM, FILLED GLYCERIN				

120	155776	GAUGE, PRESSURE RANGE 0-1000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, GLYCERINE FILLABLE				
121	155779	GAUGE, PRESSURE RANGE 0-1000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, REFERENCE NO PBMC100, UNK, FRONT FLANGE, GLYCERINE FILLABLE				
122	155783	GAUGE, PRESSURE RANGE 0-1000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, GLYCERINE FILLABLE				
123	155796	GAUGE, PRESSURE RANGE 0-1000 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
124	155969	GAUGE, PRESSURE RANGE 1-1000 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL MS, TUBE MATERIAL SS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, DOUBLE CONTACTS, BOTH NORMALLY OPEN (MAKES ON RISING PRESSURE), 220 VOLT, CONTACT RATING 0.7 AMP				
125	155778	GAUGE, PRESSURE RANGE 0-1600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, GLYCERINE FILLABLE, NONE FILLED				
126	155939	GAUGE, PRESSURE RANGE 0-1600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
127	155797	GAUGE, PRESSURE RANGE 0-1600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, FILLED NONE, TYPE BOURDON				

		TUBE, REFERENCE NO MANOMETER MIX 100 POS 3A, UNK, FRONT FLANGE				
128	152587	GAUGE, PRESSURE RANGE 0-1600 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, NON FILLED				
129	155877	GAUGE, PRESSURE RANGE 0-1600 KPA, DIAL SIZE 150 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE				
130	155781	GAUGE, PRESSURE RANGE 1600 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE, TYPE BOURDON TUBE				
131	155857	GAUGE, PRESSURE RANGE -100 TO 1500 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, TYPE BOURDON TUBE, NON FILLED				
132	155941	GAUGE, PRESSURE RANGE 0-1600 KPA, DIAL SIZE 63 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, MUST GLYCERINE FILLABLE				
133	155904	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK CENTER, MOUNT PANEL, FILLED NONE, TYPE BOURDON TUBE, FRONT FLANGE WITH U CLAMP				
134	155890	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
135	155945	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL				

		SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
136	155891	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT STEM, NON FILLED				
137	155912	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT PANEL, NON FILLED, FRONT FLANGE, GLYCERINE FILLABLE				
138	155993	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, GLYCERINE FILLABLE				
139	155770	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 3/8 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
140	155955	GAUGE, PRESSURE RANGE 0-2500 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
141	222624	GAUGE, PRESSURE RANGE 0-3000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT FLANGE REAR, NON FILLED, SYSTEM PRESSURE TO PRINTED ON BOTTOM HALF OF DIAL, WIKA BRAND ONLY				
142	155913	GAUGE, PRESSURE RANGE 0-4000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS GR 316, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
143	155855	GAUGE, PRESSURE RANGE 0-4000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, FRONT FLANGE, GLYCERINE FILLABLE				

144	155938	GAUGE, PRESSURE RANGE 0-6000 KPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK CENTER, MOUNT STEM, FILLED GLYCERIN, FRONT FLANGE WITH U CLAMP				
145	155764	GAUGE, PRESSURE RANGE 0-6000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK, MOUNT PANEL, TYPE BOURDON TUBE, NON FILLED, FRONT FLANGE WITH U-CLAMP				
146	155856	GAUGE, PRESSURE RANGE 0-6000 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BACK, MOUNT PANEL, NON FILLED				
147	155763	GAUGE, PRESSURE RANGE 0-6000 KPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, TYPE BOURDON TUBE, GLYCERINE FILLABLE				
148	152595	GAUGE, PRESSURE RANGE 0-10 MPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT SURFACE, FILLED GLYCERIN				
149	155883	GAUGE, PRESSURE RANGE 0-8000 KPA, DIAL SIZE 150 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED, GLYCERINE FILLABLE				
150	155915	GAUGE, PRESSURE RANGE 0-10 MPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION LOCATION BOTTOM, GLYCERINE FILLABLE				
151	155954	GAUGE, PRESSURE RANGE 0-10 MPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, NON FILLED				
152	155786	GAUGE, PRESSURE RANGE 0-10 MPA, DIAL SIZE 250 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL				

		SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
153	155933	GAUGE, PRESSURE RANGE 0-16 MPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, FRONT FLANGE, GLYCERINE FILLABLE				
154	155885	GAUGE, PRESSURE RANGE 0-25 MPA, DIAL SIZE 63 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL BRS FORGED, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT PANEL, FILLED GLYCERIN, TYPE BOURDON TUBE, WIKA BRAND ONLY ACCEPTABLE				
155	155899	GAUGE, PRESSURE RANGE 0-10 MPA, DIAL SIZE 160 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS GR 304, TUBE MATERIAL SS GR 316, CONNECTION MATERIAL SS GR 316, CONNECTION LOCATION BOTTOM, MOUNT STEM, SUPPL P/N 233-50-160, NON FILLED, TO BE COMPLETE WITH COOLING TOWER FOR HIGH TEMPERATURE, WIKA TYPE ONLY				
156	222623	GAUGE, PRESSURE RANGE 0-25000 KPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/4 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT FLANGE REAR, NON FILLED, PRE-CHARGED PRESSURE TO BE PRINTED ON BOTTOM HALF OF DIAL, GLYCERINE FILLABLE, WIKA BRAND ONLY				
157	155787	GAUGE, PRESSURE RANGE 0-25 MPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED GLYCERIN				
158	155785	GAUGE, PRESSURE RANGE 0-25 MPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BACK, MOUNT PANEL, FILLED NONE, TYPE BOURDON TUBE				
159	155784	GAUGE, PRESSURE RANGE 0-25 MPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL STL, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, TYPE BOURDON TUBE, WITH ELECTRICAL CONTACTS, DOUBLE CONTACTS 1NO 1NC, 1 MAKES ON				

		RISING PRESSURE AND 1 MAKES ON FALLING PRESSURE, 220V, 0 7A CONTACT RATING				
160	155884	GAUGE, PRESSURE RANGE 0-25 MPA, DIAL SIZE 150 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT STEM, TYPE BOURDON TUBE, NON FILLED				
161	155994	GAUGE, PRESSURE RANGE 0-40 MPA, DIAL SIZE 100 MM, CONNECTION TYPE NPT, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, FILLED NONE				
162	155914	GAUGE, PRESSURE RANGE 0-40 MPA, DIAL SIZE 100 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL SS, TUBE MATERIAL SS, CONNECTION LOCATION BOTTOM, MOUNT FLANGE FRONT, FILLED NONE, TYPE BOURDON TUBE, FRONT FLANGE, GLYCERINE FILLABLE				
163	155788	GAUGE, PRESSURE RANGE 0-40 MPA, DIAL SIZE 250 MM, CONNECTION TYPE BSP, CONNECTION SIZE 1/2 IN, CASE MATERIAL MS, TUBE MATERIAL BRS, CONNECTION MATERIAL BRS, CONNECTION LOCATION BOTTOM, MOUNT STEM, NON FILLED				
164	613019	GAUGE, PRESSURE RANGE 0-21 BAR, DIAL SIZE 4 5 IN, CONNECTION TYPE THD, CASE MATERIAL AL CAST, TUBE MATERIAL SS GR 316, CONNECTION MATERIAL SS GR 316, CONNECTION LOCATION BACK LOWER, MOUNT PANEL, FILLED NONE FILLED, 4 5"-1933-0-21BAR-1/4" LBM				
165	613018	GAUGE, PRESSURE RANGE 0-7 BAR, DIAL SIZE 4 5 IN, CONNECTION TYPE THD, CASE MATERIAL AL CAST, TUBE MATERIAL SS GR 316, CONNECTION MATERIAL SS GR 316, CONNECTION LOCATION BACK LOWER, MOUNT PANEL, FILLED NONE FILLED, 4 5"-1933-0-7BAR DUAL SCALE				
166	613083	GAUGE, DIFFERENTIAL PRESSURE RANGE 0-1 BAR, DIAL SIZE 4 5 IN, CONNECTION SIZE FNPT 1/2 IN, CASE MATERIAL AL CAST, CONNECTION MATERIAL AL CAST, CONNECTION LOCATION BACK LOWER, MOUNT PANEL, FILLED AIR				