

Pressure Measurement & Control
Temperature Measurement & control
80 kg/cm²

Flameproof

Simplex

K Type

Pt 100

Triclover

Relay

Portable Instruments

aaavad[©]
INSTRUMENT
SINCE 2009

Flow Measurement & Control

Duplex

RTD

Cable

Process Control Instrument

AAVAD INSTRUMENT PRIVATE LIMITED

VALUE OF WORDS



Serving 2100+ Clientele

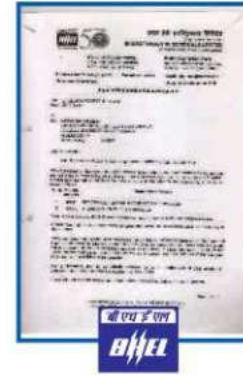
Introduction

AAVAD Instrument Pvt. Ltd (ISO 9001:2015) is a next generation young entrepreneurship engineering firm and leading manufacturer & supplier of measuring instruments like Temperature, Pressure, Flow, Level, Analytical, Automation, and Panel Mfg. & Instrumentation Cables. The organization has started its journey in 2009. With the steady pace and its exponential growth it has become industry leader within a very short span of time. Starting from product supplier, we are emerging as a one-stop engineering window in the industry with 2100+ customers across the globe. With a significant year on year growth, AAVAD has built strength of executing customized solutions.

We help our customers in adopting technology advancement to maximize their Return on Investment with zero-tolerance qualitative approach

We are committed to maintain high standards of quality across the engineering and technology industry. It shall be achieved through customer satisfaction by ensuring consistency in our products with on-time delivery and after sales support.

Approvals



MEET THE **FOUNDER & DIRECTOR**

I am very pleased to have this opportunity to introduce our company to you. AAVAD Instrument Pvt. Ltd is a company which manufactures & supply measuring instruments. Since incorporation, we have been a part in the history of this industry and enhancement of instrument. We are concentrating on developing & upgrading Aavad's products for customer satisfaction and maintain quality system based on industry standard. We have established our labs for certification and calibration centre for measuring instruments starting from Temperature and pressure measuring instruments.

I am thankful to all my customers for providing us the continuous support and opportunity to serve them to meet up our organization goal and we will do our best to provide higher quality of services. We will endeavour with our best efforts to grow continuously to become industry leader which provides true value and satisfaction to our customer.

MR.
AJAY GADHVI.





Industrial sensor



MI Sensor



HEAD TYPE RTD SENSOR/ THERMOCOUPLE



Specially Coated Sensor



Metal Protected Sensor



Weather / Flameproof Sensor

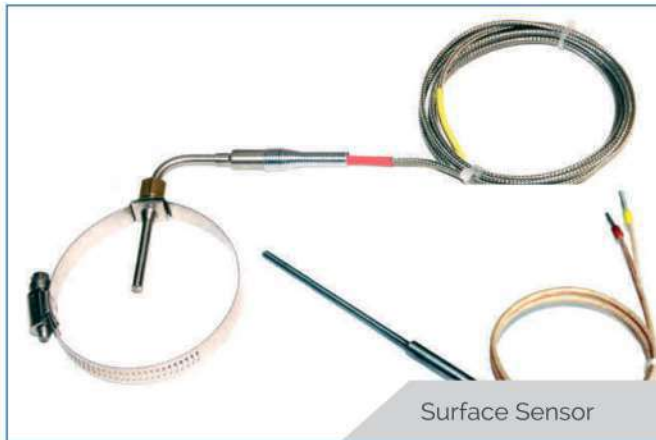


Ceramic Terminal Block

	Technical Description	A	B	C	D	E	F	G	H	I
1	Sensor Type	PT-100	PT-200	PT-500	PT-1000	PT-2000	CU-53	NI-100		
2		J (Ir/Constantan) (0 to 600°C)	K (Cr/ Al) (0 to 1200°C)	N (Nicrosil / Nisil) (0 to 1200°C)	R (Pt-Pt/ Rh13 %) (0 to 1600°C)	S (Pt-Pt/ Rh10%) (0 to 1600°C)	B (Pt-30% Rh/Pt-6%) (0 to 1800°C)	T (Copper / Constantan) (0 to 350°C)	E (Ni-Cr / Constantan) (0 to 870°C)	Customised
3	Accuracy	Class A	Class B	Customised						
4	Junction	Grounded	Ungrounded	Exposed	Customised					
5	Sheath MOC	SS 304	SS 316	SS 316L	SS 310	Teflon Coated	Tantalum	Inconel 600	Inconel 800	
6		Hastelloy C	Incoloy 800	Mineral Insulated	Hrs 446	Ker-610	Ker-710	Silicon Carbide	Silicon Nitride	Customised
7	Sheath Construction	Straight	MI (Flexible)	Bar Stock	Customised					
8	Configuration	Simplex	Duplex	Triplex	Any Special Multipoint					
9	No. Of Wire In Simplex	2-Wire	3-Wire	4-Wire						
10	Protection Head	Weather Proof (IP-65)	Flame Proof (IP-67)	Miniature	Stainless Steel	Neoprene	Hinge Type	Plastic	Customised	
11	Cable Entry	Single	Double	Customised						
12	Ceramic Terminal Block	Straight	Spring Loaded	Customised						
13	Process Connection	Not Applicable	Adjustable compression Fitting	Fix Fitting	Flange	Triclover	Nipple-Union-Nipple	Nipple-Union	Nipple	Weld Pad
14	Fitting Size	1/2"	1/4"	3/4"	3/8"	1/8"	1"	1.5"	2"	Customised
15	Connection Type	BSP	NPT	Customised						
16	Calibration Certificate	NABL Traceable	NABL Accredited			LENGTH :		OD :		



Bayonet type



Surface Sensor

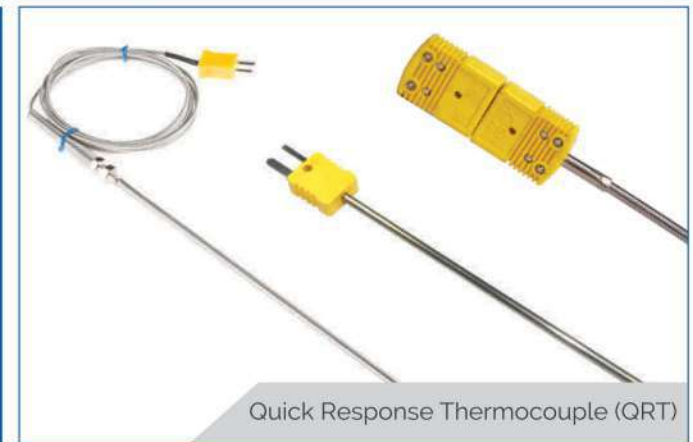


Teflon Sensor



Portable Sensor

WIRE TYPE RTD SENSOR/ THERMOCOUPLE



Quick Response Thermocouple (QRT)



Weld Pad Sensor



Plug & Jack Sensor



MI Sensor

	Technical Description	A	B	C	D	E	F	G	H	I
1	Sensor Type	PT-100	PT-200	PT-500	PT-1000	PT-2000	CU-53	NI-100		
		J (Ir/Constantan) (0 to 600°C)	K (Cr/ Al) (0 to 1200°C)	N (Nicrosil / Nisil) (0 to 1200°C)	R (Pt-Pt/ Rh13 %) (0 to 1600°C)	S (Pt-Pt/ Rh10%) (0 to 1600°C)	B (Pt-30% Rh/Pt-6%) (0 to 1800°C)	T (Cu/ Constantan) (0 to 350°C)	E (Ni-Cr / Constantan) (0 to 870 °C)	Customised
2	Shape	L-Shape	Square	Washer Type	Leaf Type	Flexible Extension	Wire Type	Fixed Bayonet	Customised	
3	Accuracy	Class A	Class B	Customised						
4	Junction	Grounded	Ungrounded	Exposed	Customised					
5	Sheath MOC	SS 304	SS 316	SS 316L	SS 310	Teflon Coated	Tantalum	Inconel 600	Inconel 800	
6		Hastelloys C	Incoloy 800	Mineral Insulated	Hrs 446	Ker-610	Ker-710	Silicon Carbide	Silicon Nitride	Customised
7	Sheath Construction	Straight	MI (Flexible)	Bar stock	Customised					
8	Type Of Wire	Teflon/Teflon	Teflon/Teflon /Stainless Steel	Fiberglass/ Fiberglass	Fiberglass/ Fiberglass/ Stainless Steel	Polyvinyl Chloride/ Polyvinyl Chloride	Silicon Rubber	Teflon/ Stainless Steel/ Teflon	Customised	
9	Configuration	Simplex	Duplex	Triplex	Customised Multipoint					
10	No. Of Wire In Simplex	2-Wire	3-Wire	4-Wire						
11	Process Connection	Not Applicable	Fix Fitting	Flange	Triclover	Adjustable Compression Fitting	Weld pad	Customised		
12	Fitting Size	1/2"	1/4"	3/4"	3/8"	1/8"	1"	1.5"	2"	Cust.
13	Connection Type	BSP	NPT	Customised						
14	Calibration Certificate	NABL Traceable	NABL Accredited	Customised		LENGTH :			OD :	



Thimble Thermocouple

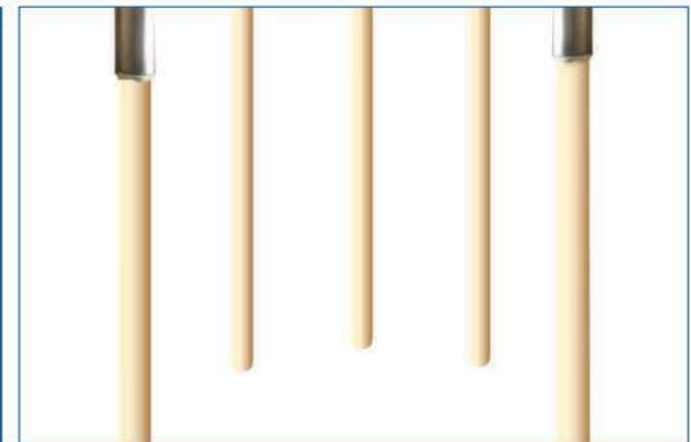


KER - 610 Thermocouple



Platinum Thermocouple

CERAMIC TUBE HIGH TEMPERATURE THERMOCOUPLE/ SENSOR



Platinum Thermocouple



K-Type Thermocouple



KER - 710 Thermocouple

	Technical Description	A	B	C	D	E	F	G
1	Sensor Type	K (Cr/ Al) (0 to 1200°C)	N (Nicrosil / Nisil) (0 to 1200°C)	R (Pt-Pt/ Rh13 %) (0 to 1600°C)	S (Pt-Pt/ Rh10%) (0 to 1600°C)	B (Pt-30% Rh/Pt-6%) (0 to 1800°C)		
2	Sheath MOC	Ker -610	Ker-710 (c-799)	Silicon Carbide	Silicon Nitride	Customised		
3	No Of Protection	Single	Double	Triple	Customised			
4	Configuration	Simplex	Duplex	Triplex	Customised Multipoint			
5	Protection Head	Weatherproof (IP-65)	Flameproof (IP-67)	Miniature	SS	Hinge Type	Direct Connector	Customised
6	Ceramic Terminal Block	Straight	Spring Loaded	Customised				
7	Process Connection	Adjustable Compression Fitting	Fix Fitting	Fix Flange	Adjustable Flange	Customised		
8	Fitting Size	1/2"	1/4"	3/4"	3/8"	1/8"	HOLDING TUBE OD :	
		1"	1.5"	2"	Customised		HOLDING TUBE LENGTH :	
9	Connection Type	BSP	NPT	Customised			CERAMIC TUBE OD :	
10	Sheath OD(MM)	8x5mm	12 x 8mm	15 x 10mm	20 x 14mm	24 x 18mm	CERAMIC TUBE LENGTH :	
11	Calibration Certificate	NABL Traceable	NABL Accredited	Customised			TOTAL LENGTH :	



SS Thermowell



Welded Thermowell



PTFE Coated



Barstock Thermowell



Fabricated Thermowell



Tapper Thermowell



Brass Thermowell



Customised Thermowell

	Technical Description	A	B	C	D	E	F	G	H	I
1	Type	Bar Stock	Welded	Fabricated	Drilled	Tapper	Teflon Coated	Customised		
2	Design	Flange	Screw							
3	Thermowell Dia	OD (B)	OD (S)	ID	Length	Customised				
4	Material of Construction	SS 304	SS 316	SS 316L	SS 310	Hastelloy C	Inconel 600	Teflon Coated	KER-610	KER-710
5		Silicon Carbide	Silicon Nitride	Teflon Coated	Casting	Brass	Customised			
6	Temperature Range	400°C	700°C	900°C	1100°C	1200°C	1400°C	1600°C	Customised	
7	Pressure	5 Kg/cm²	10 Kg/cm²	25 Kg/cm²	40 Kg/cm²	100 Kg/cm²				
8	Process Connection	Male	Female	Male + Female	Customised					
9	Process Connection (outer thread)	1/2"	1/4"	3/4"	3/8"	1/8"	1"	1.5"	2"	Customised
10	Instrument Connection (inner thread)	1/2"	1/4"	3/4"	3/8"	1/8"	1"	1.5"	2"	Customised
11	Connection size	BSP	NPT	Flange	Customised					
12	Flange Rating	RF 150#	RF 300#	RF 400#	RF 600#	Customised				
13	Certificate	Hydro Test	MOC							



J Type FG / FG / SS



RTD TF / TF 3 Core



J Type PVC / PVC



K Type TF/ TF

RTD AND THERMOCOUPLE CABLE



K Type PVC / PVC



R/S Type PVC / PVC



K Type FG / FG / SS



RTD TF / TF 6 Core

	Technical Description	A	B	C	D	E	F	G	H
1	Calibration Type	RTD	J	K	R	S	B	T	N
2	Grade	Extension	Compensating						
3	RTD Conductor Type	NI Plated Cu (NPC)	Ag Plated Cu (SPC)	Bare Cu(BC)					
4	Insulation	Fiber glass/ Fiber glass	PTFE/ Fiber glass/ss	PTFE/PTFE	Fiber glass/ Fiber glass/SS	PTFE/ Kapton	FEP/Kapton	FEP/ Silicon Rubber	PTFE/PTFE/SS
5		PVC/PVC	PVC/PVC/ Asbestos	PVC/Shielded /PVC	PVC/Shielded /PVC/ Armoured/ PVC	PTFE/ Silicon Rubber	PTFE/PTFE/SS/ Silicon Rubber	Silicon Rubber/ Silicon Rubber	Neoprene Rubber /Neoprene Rubber
6		PVC/PVC/ Armoured/Neo prene rubber	Fiber glass/fiber glass/Asbestos	Fiber glass/Asbesto s/Asbestos	PVC twisted	PTFE twisted	FEP twisted	FEP/PEP	FEP/FEP
7	Conductor's size (SWG)	1/16,1/18,1/20,1/21,1/22,1/24,1/30,1/36,	3/20,3/22,3/24,3/26,3/30,	7/28,7/30,7/36,	14/36.40/36.48/36	0.25 sq.mm	1.00 sq.mm	1.50 sq.mm	Customised
8	No.of Core	2	3	4	6	8	Customised		
9	Color Code	IEC	ANSI	BS	DIN	JIS	NFC		
10	Cable Construction	Flat	Round	Oval	Twisted				



Integral Display Flowmeter



Electromagnetic Flowmeter



SS Electromagnetic Flowmeter



ELECTROMAGNETIC FLOWMETER



Remote Display

	Technical Description	A	B	C	D	E	F	G
1	Media	Water	RO Water	Acid	Caustic	ETP	WTP Water	Customised
2	Model	AMAG-I	AMAG-R					
3	Conductivity	>10 µS/cm	Any other Conductive Liquid		-	-	-	-
4	Line Size (NB)	15mm	19mm	25mm	40mm	50mm	65mm	80mm
5		100mm	125mm	150mm	200mm	250mm	300mm	500mm
6	Display	LED	LCD	Customised				
7	Version	Integral	Remote	Customised				
8	Liner	Soft & Hard Rubber	PTFE	PFA	Customised			
9	Flange MOC	CS	MS	SS 304	SS 316	SS 316 L	Customised	
10	Electrode MOC	SS 316	Hastelloys C	SS 316 L	Customised			
11	Coil Housing	MS	SS 304	SS 316	Customised			
12	Mounting	Horizontal	Vertical	Customised				
13	Velocity	0.3 m/s to 10 m/s						
14	Transmitter Encloser	Aluminum die cast (IP-65)	Flameproof (IP-67)	Customised				
15	Power Supply	230V AC	24V DC	Customised				
16	Output	4-20mA	Relay	Pulse	Rs 485	Rs 232	Customised	
17	Flange Rating	ASA 150#	Customised					



Industrial / Back Panel Mounted



Sealed Diaphragm / master



Schaffer



Surface Mounted

PRESSURE GAUGE



Commercial



Electrical Contact



Digital



Magnehelic

	Technical Description	A	B	C	D	E	F	G	H	I
1	Pressure Range	Pressure Gauge	Compound Gauge	Vacuum Gauge						
2	Type	Commercial Pressure Gauge	Industrial Pressure Gauge	Digital Pressure Gauge	Glycerine Filled Pressure Gauge	Electrical Contact Type Pressure Gauge	Vacuum Gauge	Sanitary Pressure gauge		
3		Magnehelic Pressure Gauge	Capsule Pressure Gauge	schaffer Pressure Gauge	Sealed Diaphragm Pressure Gauge	Master Pressure Gauge	Differential Pressure Gauge	Customised		
4	Mounting	Direct Bottom	Bottom Surface	Back Panel	Back Bracket	Direct Back	Customised			
5	Dial Size	40mm	50mm	63mm	100mm	150mm	250mm	300mm		
6	Process Connection Type	BSP	NPT	FLANGE	ANY SPECIAL					
7	Process Connection Size	1/8"	1/4"	3/8"	1/2"	1"	2"	Customised		
8	MOC	MS	SS 304	SS 316	Customised		Measuring Range :			
9	Protection	IP-65	IP-55	Customised			Unit :			
10	Calibration Certificate Provided	NABL Traceable	NABL Accredited	Customised			Glycerine Filled:			



Gas Filled



Bi - Metal Back Mounted



Liquid Filled



Every Angle Temp. Gauge

TEMPERATURE GAUGE



Mercury Filled



Bi - Metal Temp. Gauge



Temperature Clock



Digital

	Technical Description	A	B	C	D	E	F	G	H	I
1	Temperature Range	-40 to 50°C	0 to 50°C	0 to 100°C	0 to 200°C	0 to 300°C	0 to 400°C	0 to 500°C	0 to 600°C	Customised
2	Type	Bi-metal	Mercury Filled	Gas Filled	Electric Contact	Digital Temperature Gauge	Customised			
3	Mounting	Direct Bottom	Back Direct	Every Angle	Customised					
4	Dial Size	63mm	100mm	150mm	250mm	Customised				
5	Stem MOC	SS 304	SS 316	SS 316 L	With Thermowell	Customised				
6	Stem Length	150mm	300mm	Customised						
7	Stem OD	6mm	8mm	10mm	Customised					
8	Process connection Type	BSP	NPT	Flange	Customised					
9	Process Connection Size	1/8"	1/4"	3/8"	1/2"	1"	2"	Customised		
10	MOC	SS 304	SS 316	Customised						
11	Protection	IP-65	IP-55							
12	Calibration Certificate Provided	NABL Traceable	NABL Accredited	Customised						



Process Controller



PID Controller



Loop Power Indicator



Portable Indicator

PROCESS INDICATOR/ CONTROLLER



Data Logger / Scanner



Jumbo Display Indicator



Temperature Controller



Flameproof Controller / Indicator

	Technical Description	A	B	C	D	E	F	G	H	I
2	Type	Indicator	Controller	PID	Scanner	Datalogger	Jumbo display indicator	Loop power indicator		
3	Dimension	96X96	72x72	48X48	48X96	96X48	96X192	Customised		
4	No of Channel	1	2	4	8	16				
5	Display	Single	Double	Customised						
6	Protection	Weatherproof	Flameproof	Customised						
7	Supply Voltage	230V AC / 50 Hz	24V DC	Battery Operated	Customised					
11	Input	J	K	R	S	B	N	Universal		
12		RTD	RTD.1	4-20mA	0-20mA	0-5V DC	Customised			
17	Water/Dust Proof	IP-54	IP-65	IP-67	Customised					
13	Output 1	Alarm	Relay	SSR	4-20mA Control Output	0-10V DC	4-20mA Retransmission	24 V DC Transmitter Supply	RS 232	RS 485
13	Output 2	Alarm	Relay	SSR	4-20mA Control Output	0-10V DC	4-20mA Retransmission	24 V DC Transmitter Supply	RS 232	RS 485
13	Output 3	Alarm	Relay	SSR	4-20mA Control Output	0-10V DC	4-20mA Retransmission	24 V DC Transmitter Supply	RS 232	RS 485
13	Output 4	Alarm	Relay	SSR	4-20mA Control Output	0-10V DC	4-20mA Retransmission	24 V DC Transmitter Supply	RS 232	RS 485



Mineral Insulated Cable



Heater



Fittings



Repairing of Thermocouple

TEMPERATURE INSTRUMENT & ACCESSORIES



Thermostat



SS Pipe



Head & Terminal



Pyrometer



Platinum Wire & Crucible



Calibrator



Signal Isolator



Kanthal Wire (Thermocouple)

TEMPERATURE INSTRUMENT & ACCESSORIES



RTD Bulb



Temperature Transmitter



Ceramic Tube



K R/S J T N RTD

TC & RTD Connector

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since 2009

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