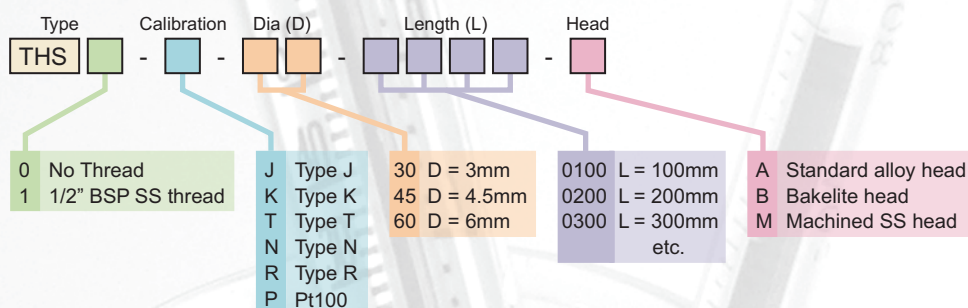


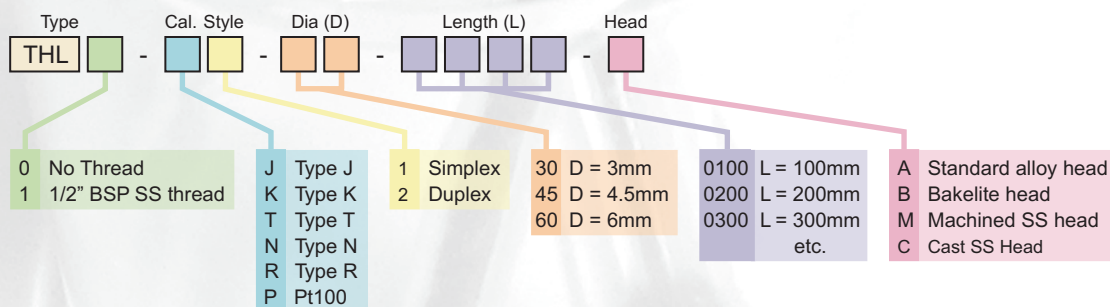
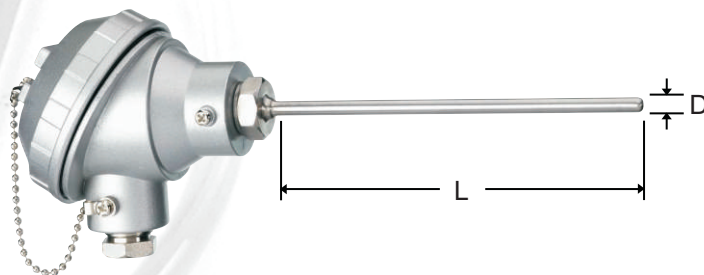
Small Terminal Head Type THS

- Thermocouple available in J, K, N, R or T calibrations, constructed using mineral insulated cable, 310 stainless steel sheath.
- Pt100 sensor, 3 Wire, inserted in 316 stainless steel sheath.
- With or without 1/2" BSP process thread.
- Available in 3, 4.5 & 6mm diameters.
- Choice of Aluminium (standard), bakelite or stainless steel head.
- Optional compression fittings available, refer to page 9.



Large Terminal Head Type THL

- Thermocouple available in J, K, N, R or T calibrations, constructed using mineral insulated cable, 310 stainless steel sheath.
- Pt100 sensor, 3 wire, inserted in 316 stainless steel sheath.
- With or without 1/2" BSP process thread.
- Available in 3, 4.5 & 6mm diameters.
- Choice of Aluminium (standard), Bakelite or stainless steel head.
- Optional compression fittings available, refer to page 9.
- Optional head mounted transmitter available, refer to page 11.

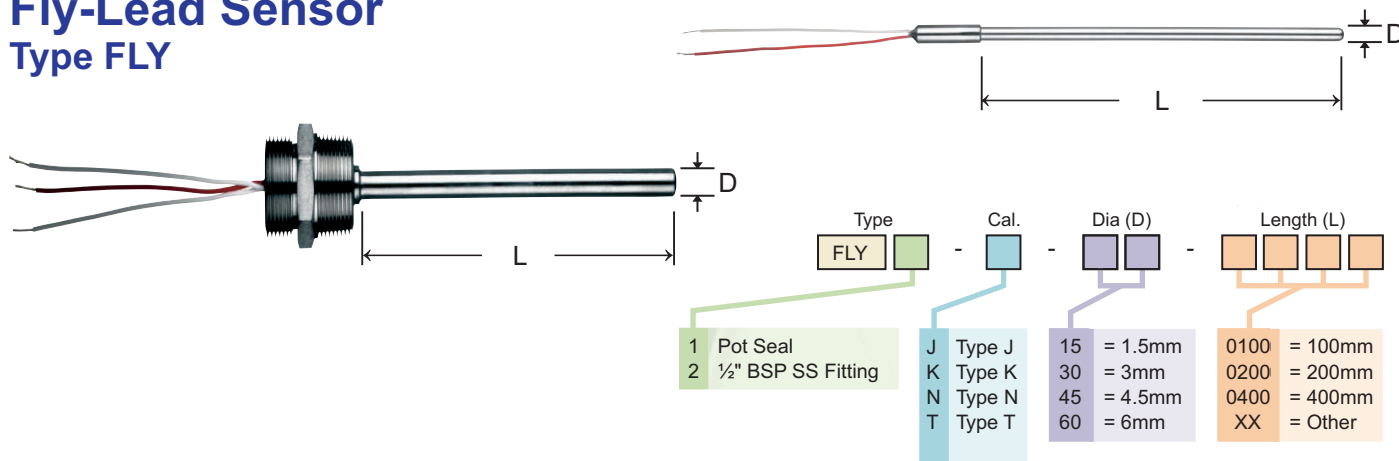


Plug-in Sensors

All plug-in sensors available in:

- J, K, N, R or T calibrations, constructed using mineral insulated cable, 310 stainless steel sheath.
- Pt100 sensor, 3 wire, inserted in 316 stainless steel sheath.

Fly-Lead Sensor Type FLY



Accessories

Plugs & Sockets



Model	Cal.	Size	Connection	Temperature
TCJLP	J	Large	Round Pin Plug	STD 205°C
TCKLP	K			
TCTLP	T			
TCNLP	N	Large	Round Pin Socket	
TCJLS	J			
TCKLS	K			
TCTL	T	Large	Panel Mounting Socket	
TCNLS	N			
TCJLPS	J			
TCKLPS	K	Mini	Flat Pin Plug	
TCTLPS	T			
TCNLPS	N			
TCJMP	J	Mini	Flat Pin Socket	STD 205°C
TCKMP	K			
TCTMP	T			
TCNMP	N	Mini	Panel Mounting Socket	
TCJMS	J			
TCKMS	K			
TCTMS	T	Mini	Panel Mounting Socket	
TCNMS	N			
TCJMPS	J			
TCKMPS	K	Large	Round Pin Plug	
TCTMPS	T			
TCNMPS	N			
TCKLP-HT	K	Large	Round Pin Plug	
TCKLS-HT			Round Pin Socket	
TCKLP-HTC		Large	Round Pin Plug	
TCKLS-HTC			Round Pin Socket	
TCKMP-HTC		Mini	Round Pin Plug	
TCKMS-HTC			Round Pin Socket	
RTDLP	RTD	Large	Round Pin Plug	STD 205°C
RTDLS			Round Pin Socket	

*Other types available on request

Compression Fittings



Model	Material	Tube Size	Thread
CF14-30B	Brass	3	1/4
CF14-45B		4.5	
CF14-60B		6	
CF12-30B		3	1/2
CF12-45B		4.5	
CF12-60B		6	
CF14-30SS	Stainless Steel	3	1/4
CF14-45SS		4.5	
CF14-60SS		6	
CF12-30SS		3	1/2
CF12-45SS		4.5	
CF12-60SS		6	

*Other sizes available on request

Extension Cables

Thermocouple Extension Cables



Model	Calibration	Conductor Size	Gauge	Insulation	Max Temp
CAB-TJ1-13/0.2-P	J	13/0.2	20	PVC/PVC	105°C
CAB-TK1-13/0.2-P	K				
CAB-TT1-13/0.2-P	T				
CAB-TN1-13/0.2-P	N				
CAB-TJ1-7/0.2-P	J	7/0.2	24		
CAB-TK1-7/0.2-P	K				
CAB-TT1-7/0.2-P	T				
CAB-TN1-7/0.2-P	N				



Model	Calibration	Conductor Size	Gauge	Insulation	Max Temp
CAB-TJ1-13/0.2-POS	J	13/0.2	20	PVC/Screen/PVC	105°C
CAB-TK1-13/0.2-POS	K				
CAB-TT1-13/0.2-POS	T				
CAB-TN1-13/0.2-POS	N				



Model	Calibration	Conductor Size	Gauge	Insulation	Max Temp
CAB-TJ1-13/0.2-T	J	13/0.2	20	Teflon/Teflon	260°C
CAB-TK1-13/0.2-T	K				
CAB-TT1-20-T	T	Solid			
CAB-TN1-20-T	N				



Model	Calibration	Conductor Size	Gauge	Insulation	Max Temp
CAB-TJ1-7/0.2-FG	J	7/0.2	24	Fibreglass/Fibreglass	540°C
CAB-TK1-7/0.2-FG	K				
CAB-TN1-7/0.2-FG	N				



Model	Calibration	Conductor Size	Gauge	Insulation	Max Temp
CAB-TJ1-7/0.2-FGSB	J	7/0.2	24	Fibreglass/Fibreglass Stainless Steel Overbraid	540°C
CAB-TK1-7/0.2-FGSB	K				
CAB-TN1-7/0.2-FGSB	N				

**Alternate gauge and conductor sizes also available.*

RTD Extension Cables

Model	Calibration	Conductor Size	Gauge	Insulation	Max Temp
CAB-2TP7/0.2-POS	CU	7/0.2	24	PVC/Screen/PVC	105°C
CAB-2TP7/0.2-TOS				Teflon/Screen/Teflon	265°C
CAB-2TP7/0.2-SR				Silicon Rubber	180°C
CAB-2TP7/0.2-FGSB				Fibreglass/Fibreglass SS Overbraid	450°C

Thermowells

Factory Controls can supply an extensive range of fabricated and machined barstock thermowells. These are available in numerous material grades, construction styles, process and instrument connection, ratings and immersion lengths.

Fabricated Styles

Parallel or Step Down.

Machined Styles

Parallel, Tapered, Step Down, Flanged, Weld-in.

Materials

Brass, 304 Stainless Steel, 310 Stainless Steel, 316 Stainless Steel, Inconel 600, Chrome Moly, Monel 400, Hastelloy, Titanium, Tantalum.

Standard Connections

Instrument - 1/4" to 1" BSP or NPT.

Process - 3/8" to 2" BSP or NPT, Flange or Weld-in.

** All flanged thermowells are supplied with forged flanges conforming to Australian, American, British or European standards as specified.*

Special Coatings

Special coatings are available on all our thermowells to provide additional protection against specific process fluids and materials in contact with the thermowell.

Coatings include: Unichrome, PVC, teflon, stellite, tungsten carbide, ceramic, lead and others.

Heat Treatment

We can supply thermowells that have been heat treated for your specific application requirements.

Testing and Certification

All barstock thermowells are subjected to a hydrostatic pressure test to ensure reliability.

The following certifications are available if required:

- Material test certificate
- Spectroanalysis test certificate
- Dye penetrant test certificate
- Ultrasonic test certificate
- Material hardness test certificate
- Material compliance certificate

Ordering information required

Construction type: Fabricated or machined

Construction style: Parallel, Tapered, Step Down, Flanged or Weld-in

Material: Brass, S/S, Inconel 600, etc

Instrument connection: Specify thread type & size

Process connection: Specify thread type & size

Immersion length:

Bore diameter:

Stem diameters: Parallel - OD, Taper - Major & minor OD's, Step-down - All OD's.

Process information: Maximum pressure and temperature, Contact fluids / materials.

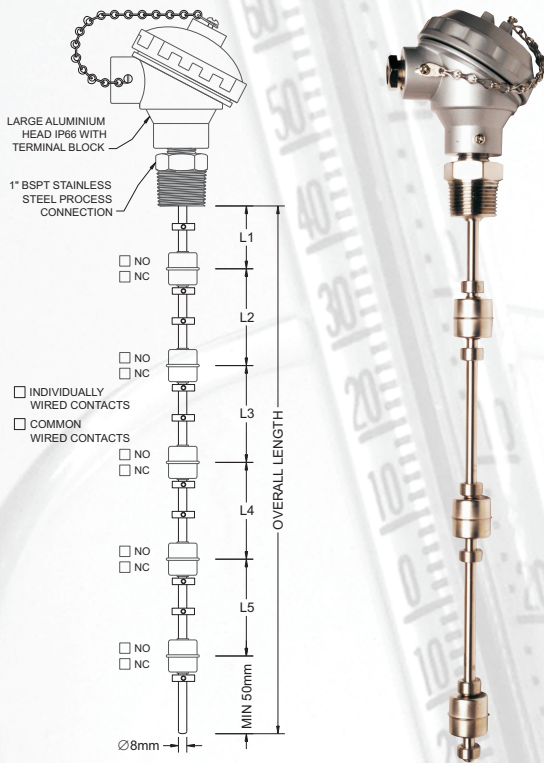


Multi Float Switches

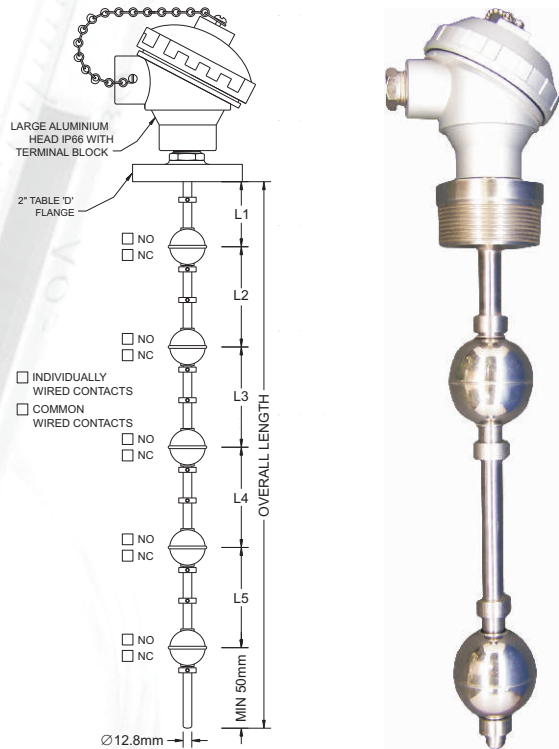
All float switches feature:

- Maximum temperature 150 °C.
- Up to 5 floats with normally open or normally closed contacts.
- Terminal head in either aluminium, bakelite, stainless steel or with fly-leads.
- Contacts 250V AC / 200V DC Max 30W resistive.
- Available with individually or common wired contacts.

Multi Float Level Switch Type FSS



Multi Float Level Switch Type FSL



- Small float 29mm dia, 316 Stainless steel, SG> 0.8.
- 1" BSP, 1" BSM Plug, 1" Triclover or 1" Table D Flange process connection.
- Large float 52mm dia, 316 Stainless steel, SG> 0.55.
- 2" BSP, 2" BSM Plug, 2" Triclover or 2" Table D Flange process connection

Type	Process Connection	Termination	No. of Floats
FSS	-	-	-
F	1" Table D Flange	A Standard aluminium head	1 = 1 Float
P	1" BSP Plug	B Bakelite head	2 = 2 Float
M	1" BSM Plug	C Cast S/S head	3 = 3 Float
T	1" Triclover	F Flying leads	4 = 4 Float
X	Other		5 = 5 Float

Type	Process Connection	Termination	No. of Floats
FSL	-	-	-
F	2" Table D Flange	A Standard aluminium head	1 = 1 Float
P	2" BSP Plug	B Bakelite head	2 = 2 Float
M	2" BSM Plug	C Cast S/S head	3 = 3 Float
T	2" Triclover	F Flying leads	4 = 4 Float
X	Other		5 = 5 Float