

INTERNATIONAL METAL ENGINEERING

MODEL 1080 STAINLESS STEEL EXPLOSION PROOF THERMOCOUPLE HEAD

IME Model 1080 Series Stainless Steel Thermocouple Heads are designed specifically for explosion proof applications and constructed out of SS316 Stainless Steel to withstand applications where aggressive atmospheres prevail.

This housing accommodates a terminal block or head mounted transmitter 50mm (2.0") in diameter that can be mounted using M4 screws as indicated in the attached drawing. Some units as indicated has a provision for a customer designed SS nameplate with information such as model number, company name, logo, and website etc.

Ordering Information for Explosion Proof Heads

Model	Description		
1080SE	FM/CSA Ex-Proof Certified, NEMA 4X, IP66, SS 316 Thermocouple Head, Electro-Polished		
1080SA	FM/CSA Ex-Proof Certified, NEMA 4X, IP66, SS 316 Thermocouple Head with Provision for Name Plate, Electro-Polished		
1080ST	ATEX / IECEx Ex-Proof Certified, IP68, SS 316 Thermocouple Head with Provision for Name Plate, Electro-Polished		
1080SM	FM / CSA / ATEX / IECEx Ex-Proof Certified, NEMA 4X, IP66/68, SS 316 Thermocouple Head with Provision for Name Plate Electro-Polished		
<div><div></div><div></div></div>	Code	Conduit Size (T1)	Instrument Connection (T2)
	01	T1=¾" NPT	T2=½"NPT
	02	T1=½" NPT	T2=½"NPT
	08	T1=M20X1.5 (See Note 2)	T2=½"NPT
	33	T1=¾" NPT	T2=¾" NPT
	XX	Specify	Specify

1080SM	-	01	← Typical Model Number
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Note :

- 1 BSP Thread is not approved by FM, CSA, ATEX & IECEx.
- 2 M20X1.5 is not Certified By CSA

Ordering Information for General Purpose Heads

Model	Description																					
1080SN	SS 316 Thermocouple Head with Provision for Name Plate, Electro-Polished																					
1080SF	SS 316 Thermocouple Head, Electro-Polished (Clear Cover)																					
1080SG	SS 316 Thermocouple Head with Tempered Glass Window, Electro-Polished																					
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1080SN	-	01	← Typical Model Number
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