

MODEL 1080 STAINLESS STEEL EXPLOSION PROOF THERMOCOUPLE HEAD

- EXPLOSION PROOF CERTIFIED
- NEMA 4X OR IP66 EQUIPMENT RATING
- STAINLESS STEEL BALL CHAIN
- WIDE RANGE OF ACCESSORIES
- PROVISION FOR CUSTOM STAINLESS STEEL NAME PLATES



Introduction

Material of Construction:

SS316

Certification:

FM/CSA/ATEX/IECEx Explosion Proof Certified, NEMA 4X or IP68

Connections

1/2" NPT, 3/4" NPT, 1/2" BSP, 3/4" BSP, M20x1.5

Mounting Holes

See attached drawing

Surface Finishing

Electro Polish

"O" Ring

Buna "N"

Weight





0.90Kg (2.0lbs)

Accessories

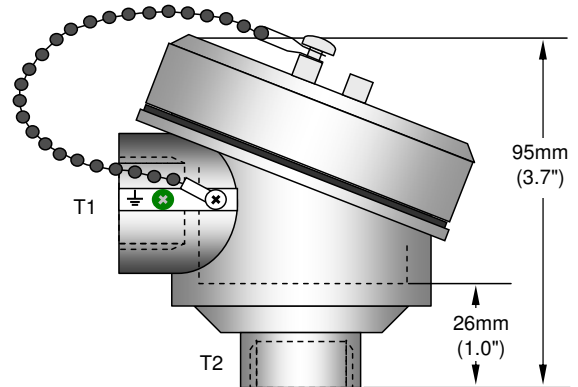
SS Ball Chain, Terminal Block(Ceramic/Bakelite, Optional)

Custom Designed name plate

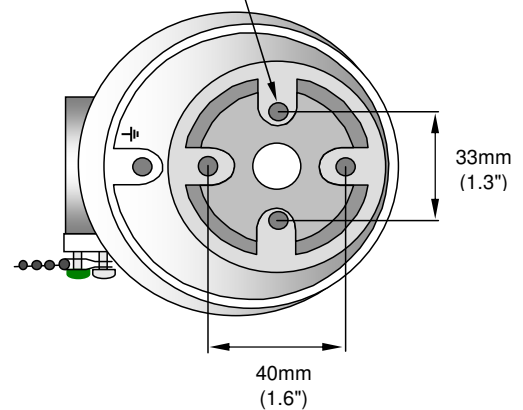
Certification System

 <p>FM APPROVED</p>	<p>CLASS I, DIV I GROUPS B, C AND D CLASS II, DIV I GROUPS E, F AND G NEMA 4X</p>
	<p>CLASS I, DIV I GROUPS B, C AND D CLASS II, DIV I GROUPS E, F AND G NEMA 4X</p>
	<p>II 2GD, Ex d IIC Gb Ta=-45 °C to 85 °C Ex tB IIIC Db IP68</p>
	<p>Ex d IIC Gb, Ex tB IIIC Db IP68 Ta=-45 °C to 85 °C</p>

Dimensions



M4 Mounting Holes



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 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

Model	Description																								
1080SN	General Purpose, SS316 Thermocouple Head with Provision for Name Plate																								
1080SF	General Purpose, SS316 Thermocouple Head for Food Industry																								
1080SG	General Purpose, SS316 Thermocouple Head with Tempered Glass Window																								
1080SE	FM/CSA Ex-Proof Certified, NEMA 4X, SS316 Thermocouple Head																								
1080SA	FM/CSA Ex-Proof Certified, NEMA 4X, SS316 Thermocouple Head with Provision for Name Plate																								
1080SW	FM/CSA Ex-Proof Certified, NEMA 4X, SS316 Thermocouple Head with Provision for Name Plate, with External Thread (See note 3)																								
1080ST	ATEX / IECEx Ex-Proof Certified, IP68, SS316 Thermocouple Head with Provision for Name Plate																								
1080SM	FM / CSA / ATEX / IECEx Ex-Proof Certified, NEMA 4X, IP68, SS316 Thermocouple Head with Provision for Name Plate																								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Conduit Size (T1)</th> <th>Instrument Connection (T2)</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>T1=3/4" NPT</td> <td>T2=1/2"NPT</td> </tr> <tr> <td>02</td> <td>T1=1/2" NPT</td> <td>T2=1/2"NPT</td> </tr> <tr> <td>04</td> <td>T1=3/4" BSP (See Note 1)</td> <td>T2=1/2"BSP (See Note 1)</td> </tr> <tr> <td>05</td> <td>T1=M20X1.5 (See Note 2)</td> <td>T2=1/2"BSP (See Note 1)</td> </tr> <tr> <td>08</td> <td>T1=M20X1.5 (See Note 2)</td> <td>T2=1/2"NPT</td> </tr> <tr> <td>33</td> <td>T1=3/4" NPT</td> <td>T2=3/4" NPT</td> </tr> <tr> <td>XX</td> <td>Specify</td> <td>Specify</td> </tr> </tbody> </table>	Code	Conduit Size (T1)	Instrument Connection (T2)	01	T1=3/4" NPT	T2=1/2"NPT	02	T1=1/2" NPT	T2=1/2"NPT	04	T1=3/4" BSP (See Note 1)	T2=1/2"BSP (See Note 1)	05	T1=M20X1.5 (See Note 2)	T2=1/2"BSP (See Note 1)	08	T1=M20X1.5 (See Note 2)	T2=1/2"NPT	33	T1=3/4" NPT	T2=3/4" NPT	XX	Specify	Specify
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1080SM	01	←	Typical Model Number
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Note :

- BSP Thread is Not Certified.
- M20X1.5 is Not Certified By CSA
- External Thread for Model 1080SW is M30 x 1.5P