



**DYNAMIC SENSORS INC.**

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63 Monarch Trail, Sugarland TX 77498

### Data Sheet

## 1010PAEM



Aluminum explosion proof Thermocouple head provided with FM, CSA, ATEX, IECEx certifications .NEMA 4X and IP66/68 rating. The connection head accommodates a terminal block or transmitter 2" (50mm) in diameter

Example and reference pictures of certification tags placement per current standards (FM/CSA, Ex & IECEx).



- **EXPLOSION-PROOF CERTIFIED**
- **NEMA 4X AND IP66/68 CERTIFIED**
- **WIDE SELECTION OF CONDUIT SIZES**
- **OPTION FOR CUSTOMIZED SS HALF MOON NAMEPLATE**

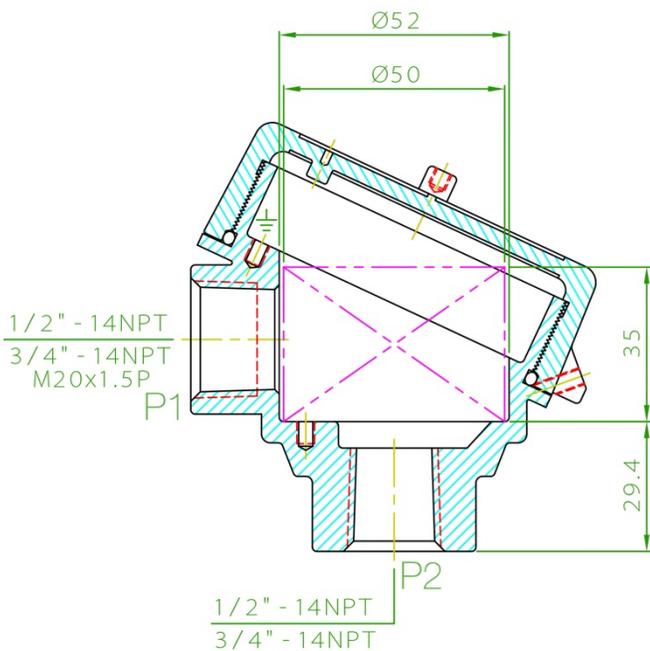
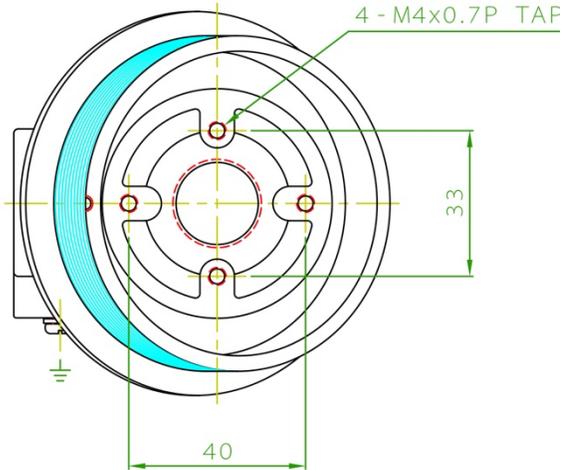
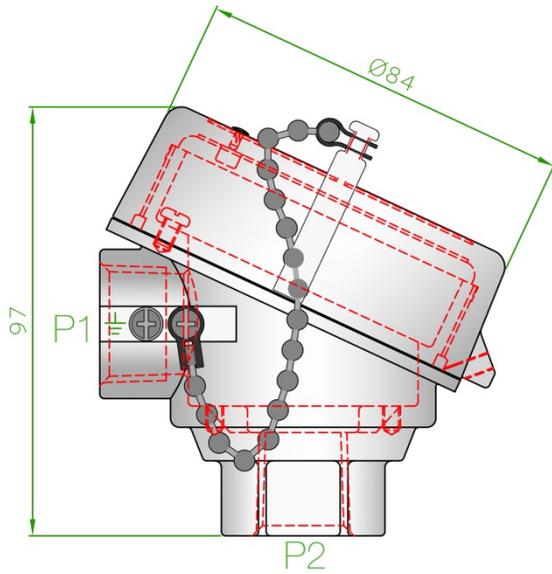
- **Material of Construction:** Die-Cast Aluminum
- **Certification:** FM/CSA/ATEX/IECEx
- **Connections:** 1/2"NPT,3/4"NPT,1/2",M20x1.5P ,M24 x 1.5
- **Surface Finishing:** Painted Grey or ( custom color\*)
- **"O" Ring: EPDM**
- **Weight:** 0.5 KG (1.1 LBS)
- **Accessories:** Terminal Block (Ceramic / Bakelite)

	Class I Div I Groups B,C,D : Ta= -50°C to 125°C Type 4X IP66/68 Class II / III, Div 1 Groups E,F,G.Ta = -50°C to 125°C Type 4X IP66/68 Class I zone EI,IIb+H2 Ta= -50°C to 125°C Type 4X IP66/68 Zone 21, Group IIIC Ta= -50°C to 125°C Type 4X IP66/68
	Class I Div I Groups B,C,D ; Class, Div I Group E,F,G Class III Tamb – 50°C to 125°C Type 4x IP66/68
	II 2G Exdb IIC Gb Ta =20°C to 125°C IP66/68 II2D Extb IIIC Db Ta=-50°C to 125°C IP66/68
	Ex db IIC Gb Ta =20°C to 125°C IP66/68 Ex tb IIIC Db Ta=-50°C to 125°C IP66/68



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Complete list of options:

MODEL	T1 Thread		T2 Thread	DESCRIPTION
1010PAEM-01	3/4" NPT	x	1/2" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-02	1/2" NPT	x	1/2" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-03	3/4" NPT	x	3/4" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-04*	1/2" NPT	x	3/4" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-05*	3/4" NPT	x	M20 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-06*	1/2" NPT	x	M20 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-07*	3/4" NPT	x	M24 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-08*	1/2" NPT	x	M24 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-11*	M20 X1.5	x	3/4" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-12	M20 X1.5	x	1/2" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-13*	M20 X1.5	x	M20 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-14*	M20 X1.5	x	M24 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-15*	M24 X1.5	x	3/4" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-16*	M24 X1.5	x	1/2" NPT	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-17*	M24 X1.5	x	M20 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68
1010PAEM-18*	M24 X1.5	x	M24 X1.5	Aluminum Explosion Proof Thermocouple head FM/CSA/ATEX/IECEX NEMA 4X IP66/68

\*Requires Min Order Qty and Lead Time