

## 4. STEAM PRESSURE SENSOR

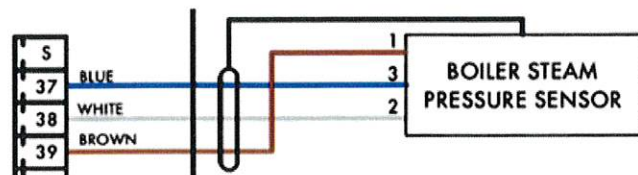
Autoflame Steam Pressure Sensor can be used with the MM system for the purpose of measuring the steam (load) pressure.



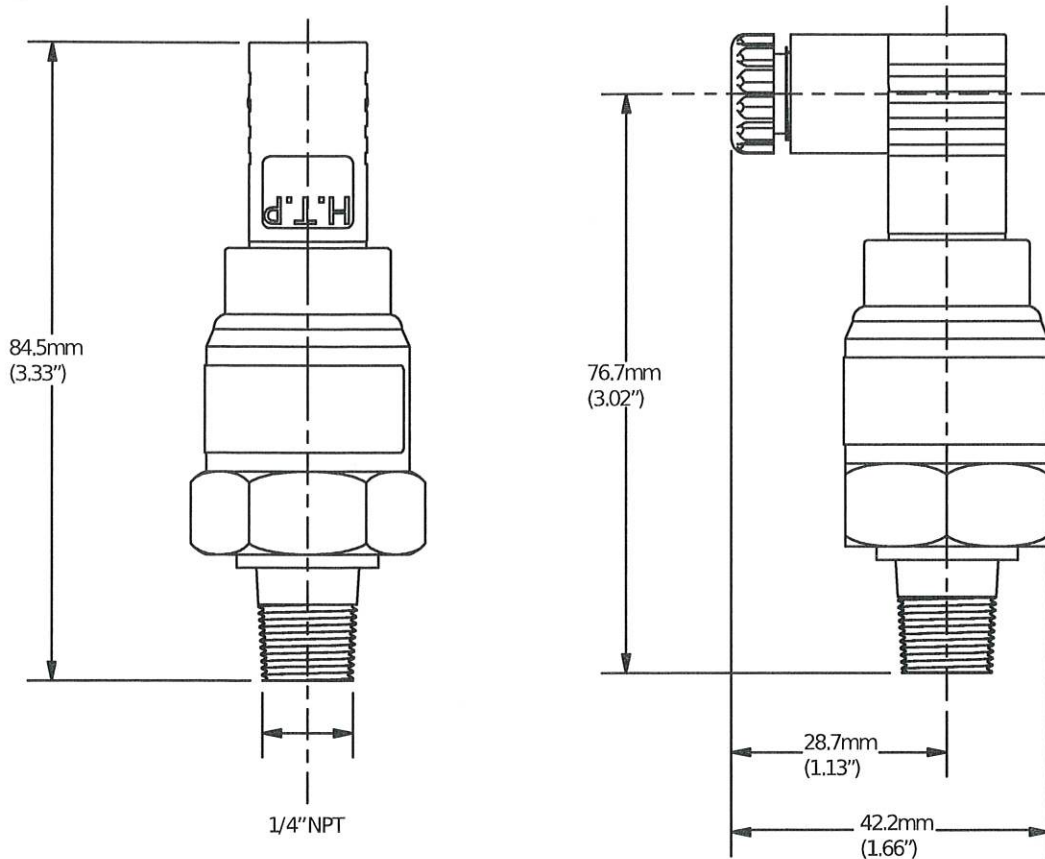
Specifications	
Output Signal	1-6V
IP rating	65
NEMA rating	4
Torque setting	Max 25Nm
Valve material	Stainless Steel
O-Ring material	Viton
Operating Outside Temperature	-25 to 85 °C (-13 to 185 °F)
Media Temperature	-25 to 125 °C (-13 to 257 °F)
Operating Range	0 to 40 Bar (0 to 600 PSI)
Over Pressure Rating	80 Bar (1160 PSI)
Burst Pressure Rating	290 Bar (4350 PSI)
Fitting Size	M27
Fitting torque	15 to 20Nm (11 to 14.8 ft lb)
Lead	1.5m (5ft) prewired with inside waterproof protective conduit
Warranty	2 year limited warranty

### Wiring

Wire Colour	MM Terminal
White (2)	38
Blue (3)	37
Brown (1)	39
Screen	Do not connect on MM side



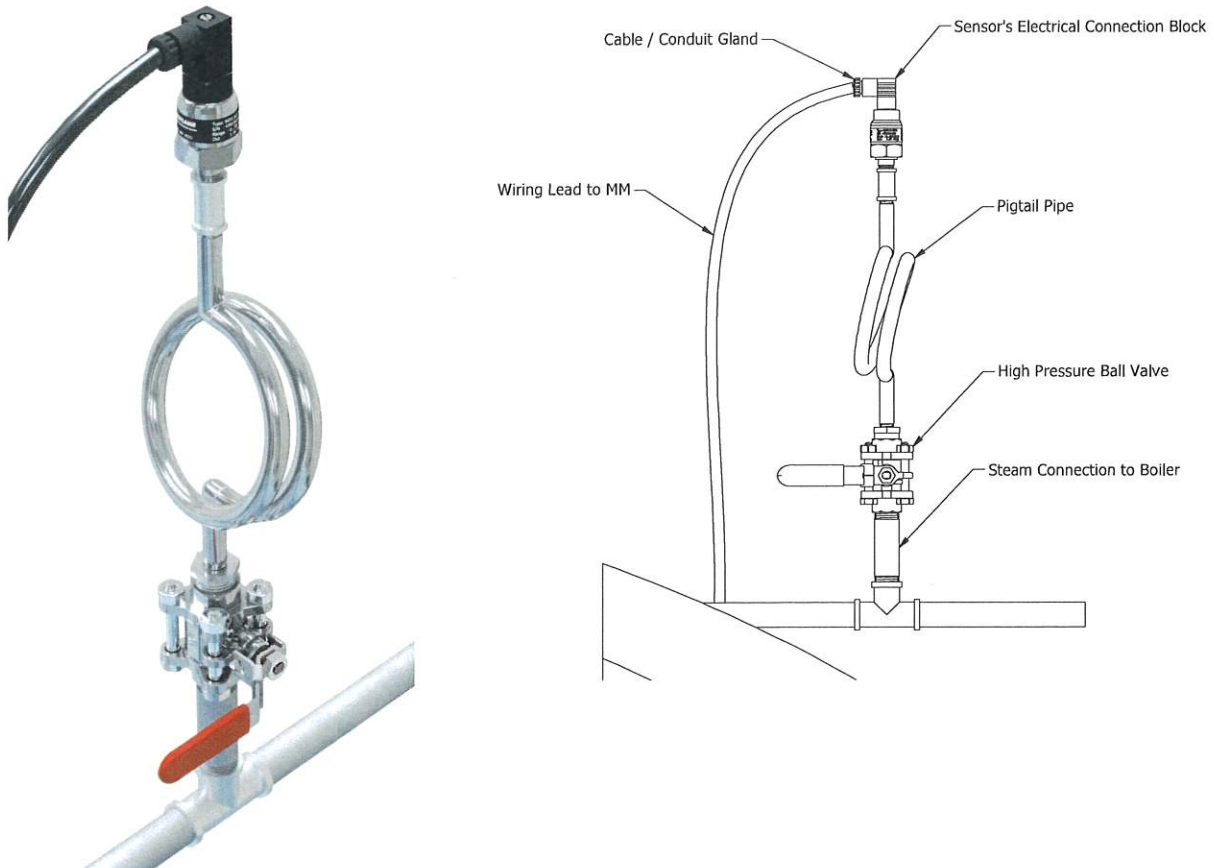
### 4.1. Dimensions



Part #	Connection	Sensor's Range	Over Pressure	Burst Pressure
MM10010	1/4" BSP tapered	0 – 3.4 bar (0 – 50 PSI)	8 bar (116 PSI)	12 bar (174 PSI)
MM10010/U	1/4" NPT tapered			
MM10008	1/4" BSP tapered	0 – 20 bar (0 – 300 PSI)	50 bar (725 PSI)	75 bar (1087 PSI)
MM10008/U	1/4" NPT tapered			
MM10009	1/4" BSP tapered	0 – 34 bar (0 – 500 PSI)	80 bar (1160 PSI)	100 bar (1450 PSI)
MM10009/U	1/4" NPT tapered			
MM10017	1/4" BSP tapered	0 – 100 bar (0 – 1450 PSI)	200 bar (2900 PSI)	300 bar (4351 PSI)
MM10017/U	1/4" NPT tapered			

## 4.2. Installation

- For correct operation, the detector must be installed with a pressure siphon loop.
- Plug fits correctly in one position only, do not force.
- Do not use case to tighten connection.
- An isolation vale can be installed between the sensor and the pressure vessel.



To calibrate the actual value, parameter 29 can be used to adjust the pressure sensor reading between a range of 80.0% and 120.0%.

The load sensor can be calibrated via Commissioning Mode or through Online Changes.

The percentage change may not be linear to the current temperature, i.e. 80% of 10 bar may not translate to 8 bar.