

# Industrial Automation Class A Pt100 RTD with M12 connector with 1/2" or 1/4" NPT Process Connection



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockists of Thermocouple Cables. The Company has been trading since 1971 and is ISO 9001 accredited.

Labfacility have supplied Farnell for over 30 years, and an extensive range of our products are available to buy online, from stock, direct from Farnell.

### Datasheet

An industrial automation temperature sensor with a measuring range of -50 to +250°C with a Pt100 class A 4 wire resistance thermometer detector (RTD).

TEMPERATURE & PROCESS TECHNOL

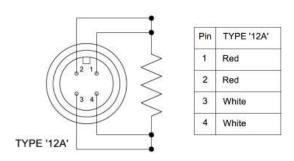
The Sensor features an industry standard 4 pin M12 A coded instrument connection, suitable for new industrial process control & automation applications and field replacement of sensors.

- Pt100 RTD class A 4 wire resistance thermometer as per IEC 751
- Sensor temperature rating -50 to +250°C
- 4 pin M12 A coded instrument connection
- For use with M12 female connectors & extension cables

### **Specifications**

General Description	Pt100 RTD Class A 4-wire resistance thermometer as per IEC 751		
Sensor Type	Pt100		
Sheath Material	316 Stainless Steel		
Termination Type	M12 Male		
Sheath Length (mm)	100mm, 150mm, 200mm, 250mm		
Sheath Diameter (mm)	3mm, 6mm		
Process Connection options	1/2" or 1/4" NPT process fitting		
Max. Temperature	250°C		
Min. Temperature	-75°C		
Number of Wires	4 wire		
General Description	Pt100 RTD Class A 4-wire resistance thermometer as per IEC 751		

#### 4 pin Wiring Diagram



## Datasheet

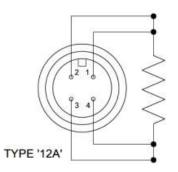


# **Ordering Information**

Process	Sheath	Sheath	Termination	Manufacturer Part No	Farnell Order
Connection	Diameter	Length	Туре		Code
1/4" NPT	3mm	100mm	M12 Male	RPTA-S-3.0-100-F143-12A	XF-2690-FAR
1/4" NPT	3mm	150mm	M12 Male	RPTA-S-3.0-150-F143-12A	XF-2691-FAR
1/4" NPT	3mm	200mm	M12 Male	RPTA-S-3.0-200-F143-12A	XF-2692-FAR
1/4" NPT	3mm	250mm	M12 Male	RPTA-S-3.0-250-F143-12A	XF-2693-FAR
1/4" NPT	6mm	100mm	M12 Male	RPTA-S-6.0-100-F146-12A	XF-2694-FAR
1/4" NPT	6mm	150mm	M12 Male	RPTA-S-6.0-150-F146-12A	XF-2695-FAR
1/4" NPT	6mm	200mm	M12 Male	RPTA-S-6.0-200-F146-12A	XF-2696-FAR
1/4" NPT	6mm	250mm	M12 Male	RPTA-S-6.0-250-F146-12A	XF-2697-FAR
1/2" NPT	3mm	100mm	M12 Male	RPTA-S-3.0-100-F123-12A	XF-2698-FAR
1/2" NPT	3mm	150mm	M12 Male	RPTA-S-3.0-150-F123-12A	XF-2699-FAR
1/2" NPT	3mm	200mm	M12 Male	RPTA-S-3.0-200-F123-12A	XF-2700-FAR
1/2" NPT	3mm	250mm	M12 Male	RPTA-S-3.0-250-F123-12A	XF-2701-FAR
1/2" NPT	6mm	100mm	M12 Male	RPTA-S-6.0-100-F126-12A	XF-2702-FAR
1/2" NPT	6mm	150mm	M12 Male	RPTA-S-6.0-150-F126-12A	XF-2703-FAR
1/2" NPT	6mm	200mm	M12 Male	RPTA-S-6.0-200-F126-12A	XF-2704-FAR
1/2" NPT	6mm	250mm	M12 Male	RPTA-S-6.0-250-F126-12A	XF-2705-FAR



4 pin Wiring Diagram



Pin	TYPE '12A'
1	Red
2	Red
3	White
4	White

