

GENERAL PURPOSE RESISTANCE TEMPERATURE DETECTORS (RTDs)

ITH manufacture from raw material a range of general purpose RTDs in either standard or custom designed form. These extremely popular temperature sensors are provided with a choice of PVC, PTFE or Glass Fibre insulated stainless steel braid leads.

SELECTION AVAILABLE:

Bayonet RTD

Ref: BRTD

Suitable for plastics machinery and general purpose applications, these assemblies are supplied complete with a spring and adjustable bayonet cap fitting for easy site fitting. The sensing tip is incorporated within a stainless steel tube which the stainless steel braided leads are sealed into.

Product Range Characteristics:

- Pt100 element which meets BS EN 60751:1996
- 2 or 3 wire available
- Tolerance class A or B
- Sheath and leads rated - 50°C to + 400°C
- Sheath 316 Stainless Steel
- PVC, PTFE or Glass fibre stainless steel braid leads.
- Operating range from -30°C to + 400°C (dependant on leads)



Adjustable Ring RTD

Ref: RRTD

The RTD is used for measuring pipe temperatures up to 400°C. These sensors are available in a number of sizes to suit the pipe diameter. This range of sensors make direct contact with the pipe for maximum performance.

Product Range Characteristics:

- Pt100 element which meets BS EN 60751:1996
- 2 or 3 wire available
- Tolerance class A or B
- Covers Pipe Sizes 32-50mm, 50-150mm or 15-300mm
- PVC, PTFE or Glass fibre stainless steel braid leads.
- Operating Range: - 100°C to 400°C



Nozzle RTD

Ref: NRTD

Suitable for plastics machinery and general purpose applications and have been designed to screw directly into the application.

The nipple allows the nozzle to rotate, so the wires do not twist when threading in and tightening the nozzle. They are available in several bolt sizes and are made from stainless steel.

Product Range Characteristics:

- Pt100 element which meets BS EN 60751:1996
- 2 or 3 wire available
- Tolerance class A or B
- Bolt sizes M6 or M8
- Sheath and leads rated - 50°C to + 400°C
- PVC, PTFE or Glass fibre stainless steel braid leads.
- Operating range from -30°C to + 400°C (dependant on leads)



GUIDE TO THE SELECTION OF RTD WIRE AND CABLE

Material	Useable temperature range	Application
PVC	-10 degrees C to 105 degrees C	Good general purpose insulation for light environments. Waterproof and flexible.
PTFE	-75 degrees C to 250 degrees C	Resistant to oils, acids and other adverse agents and fluids. Good mechanical strength and flexibility.
GLASS FIBRE	-60 degrees C to 350/400 degrees C	Good temperature range but will not prevent the ingress of fluids. Fairly flexible but does not provide good mechanical protection.



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