



Mineral-insulated resistance thermometers to EN 60 751

- for temperatures from -50 (-200) to +600°C
- flexible sheath with shock-protected sensor
- as single or twin resistance thermometer in 2-wire, 3-wire or 4-wire circuit
- fast response time
- application-specific fitting length

Technical data

Terminal head	Form J, aluminium die-casting, M 16x1.5; IP54, ambient temperature -40 to +100°C Caution: reduced ambient temperature when using transmitters, Data Sheet 70.7030 (95.6530)
Connection	cable ends available as: bare wires, with ferrules, receptacles or multipole connector
Connecting cable	silicone, ambient temperature -50 to +180°C PTFE, ambient temperature -190 to +260°C metal braiding, ambient temperature -50 to +350°C
Process connection	thread, stainless steel 1.4571
Protection tube	stainless steel 1.4541, 1.9mm, 3mm and 6mm dia.
Measuring insert	Pt100 temperature sensor, EN 60 751, Cl. B, 2-wire circuit
Response times	in water with 0.4m/sec / in air with 3m/sec 1.9mm dia.: water $t_{0.5} = 0.7\text{sec}$, $t_{0.9} = 2.1\text{sec}$ / air $t_{0.5} = 7.2\text{sec}$, $t_{0.9} = 20.5\text{sec}$ 3.0mm dia.: water $t_{0.5} = 1.3\text{sec}$, $t_{0.9} = 4.0\text{sec}$ / air $t_{0.5} = 13.5\text{sec}$, $t_{0.9} = 41.0\text{sec}$ 6.0mm dia.: water $t_{0.5} = 5.0\text{sec}$, $t_{0.9} = 11.5\text{sec}$ / air $t_{0.5} = 37.5\text{sec}$, $t_{0.9} = 117.5\text{sec}$

