

Selection guide

Temperature transmitters



Model	RTT15S	RTT80
Output	4-20 mA and HART	4-20 mA, HART and FOUNDATION Fieldbus
Input types	RTD, TC, ohm, or mV	RTD, TC, ohm, or mV
Housing options	DIN module only or universal with optional explosion-proof rating	DIN module only, universal or dual compartment with optional explosion-proof rating
Display options	Optional red or white backlit with optional optical configuration buttons	Optional LCD
Factory-mounted thermowells and sensors	Yes	Yes
Configuration options	Optical button display, custom factory, DTM, Handheld	Custom factory, DTM, or Handheld
Digital accuracy	Pt100 ± 0.1 °C/TC (K) ± 0.5 °C	Pt100 ± 0.14 °C/TC (K) ± 0.32 °C
A/D accuracy (% of span)	0.05	0.03
Dual-channel capability	Dual 2-wire RTD, TC; average or difference	Dual 2- or 3-wire RTD, dual TC, TC/2- or 3-wire RTD; average, difference, switching, hot backup
Diagnostics	Sensor broken or shorted	Sensor broken or shorted, drift detection, sensor corrosion
SIL2 certifications	No	Yes
Certifications and approvals	FM, CSA, ATEX, IECEx, NEPSI, INMETRO	FM, CSA, ATEX, IECEx
Specifications*	PSS 2A-1F5 B	PSS 2A-1F8 B

* Please use this term in our search window on www.schneider-electric.com to access more product details.