



INTEMPCO R35 series surface temperature resistance element is designed to be cemented, clamped or bolted to a surface for temperature measurement. A specially designed moisture seal permits operation in extremely adverse conditions such as may be encountered on cooling equipment and cold water pipes. Teflon insulation and high temperature epoxy permit use at temperatures as high as 200 °C (392 °F).

Custom Builder

MODEL 1 2 3 4 5

R_35 - - - - -

MODEL CODE	Temperature Range
L	Low temperature -50 to 200°C (-58/392°F)

BOX 1 CODE	Element Type
P	100Ω @ 0°C, α = 0.00385 DIN EN 60751
T	1000Ω @ 0°C, α = 0.00385 DIN EN 60751

Other elements available. Consult factory.

BOX 2 CODE	Element Tolerance
1	±0.12% (±0.3°C) @ 0°C, Class B
2	±0.06% (±0.15°C) @ 0°C, Class A
3	±0.04% (±0.1°C) @ 0°C, Class AA

BOX 3 CODE	RTD Circuit Type
S2	Single, 2 wire
S3	Single, 3 wire
D2	Dual, 2 wire
D3	Dual, 3 wire

BOX 4 CODE	Extension Cable Type
PV	PVC insulation, stranded cond. 90°C (195°F) max.
TF	Teflon® insulation, stranded cond. 200°C (392°F) max.
TS	Teflon® with SS overbraid, 200°C (392°F) max.
TA	Teflon® with SS armor, 200°C (392°F) max.

BOX 5 CODE	Extension Cable Length "F"
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Note : Extension wires 12" long and less are single stranded leads, 22 AWG	