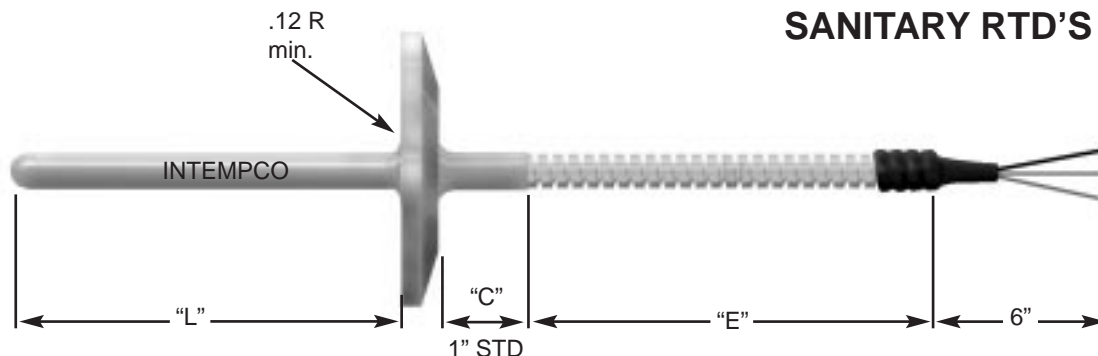




Install directly into process line for fast response. Probes, made of polished 316 stainless steel, are free of cracks and crevices that might shelter bacteria. External cables will withstand washdown; optional stainless steel armor prevents abrasion wear. Choose from standard sanitary cap styles to match your pipe installation: Tri-clamp, Cherry-Burrel, bevelled seat and others available. For electrical output (4-20 mA, RS 232, RS 485 and others) see Transmitter section.



SANITARY RTD'S

INTEMPCO MODEL NO.	ELEMENT TYPE TOL	CIRCUIT TYPE	PROBE DIA & MAT'L	EXTENSION LENGTH "C"	CAP STYLE (SIZE) in inches	EXTENSION TYPE LENGTH "E" in inches	FINISH	PROBE LENGTH "L"
RL 86	P 1	S3	250S	N1S	T ()	T ()	S	
				IN INCHES				IN INCHES

L
Low Temp. -50 to 200°C
M
Med. Temp. -200 to 400°C
H
High Temp. -200 to 600°C
T
Transmitter Order separately. See transmitter section.

P1
Pt 100 ± 0.12° at 0°C Din & IEC Class B, α=0.00385

Other elements
available.
Consult factory

CODE	CIRCUIT
S2	Single-2 wire
S3	Single-3 wire
S4	Single-4 wire
D2	Dual-2 wire
D3	Dual-3 wire

See end of **RTD**
section for details.

CODE	PROBE DIA
250S	1/4"
375S	3/8"
500S	1/2"

CODE	SHEATH O.D.	TIP O.D.
4/2	1/4"	1/8"
6/3	3/8"	3/16"
8/3	1/2"	3/16"
8/4	1/2"	1/4"
10/4	5/8"	1/4"

Other diameter and mat'l available.
Consult Intempco. Mat'l:SS316 std.

CODE	CASE FINISH
S	Standard
P	Pharmaceutical

CODE	INSULATION
T*	Teflon
K*	Kapton
TA	Teflon w SS Armor
KA	Kapton w SS Armor
TS	Teflon w SS Overbraid
KS	Kapton w SS Overbraid

-Add suffix "**P**" to code for
Polyolefin shrink tubing (ex.**TAP**)
Max. 110°C (230°F)

*Max. 200°C (400°F) approx.

Specifications

Temperature range: -200 to 600°C (-328 to 1112°F),
External leadwires: -100 to 200°C (-148 to 400°F).

Material: 316 stainless steel.

Finish: Standard: #4 finish per 3-A standard 09-08,
32 microinches max. Pharmaceutical (optional):
Polished to mirror finish and passivated.
10 microinches typical.

Pressure rating: 500 psi (34.5 bar).

Leadwires: AWG 22, Teflon insulation;
optional stainless steel armor.

Polyolefin shrink tubing wrap available
over stainless steel armor or overbraid.

Self-heating: 50 mW/°C typical in moving water.

Insulation resistance: Single element probes:
100 megohms min. at 500 VDC,
leads to case. Dual element probes:
100 megohms min. at 100 VDC,
between element and leads to case.

CODE	SANITARY CAP STYLE
T	Tri-Clamp (16AMP)
A	Cherry-Burrel (16A1-141), male std.
B	Cherry-Burrel (16A1-141), female
C	Bevelled Seat (16A) with 13H nut
D	Bevelled Seat (16A) without nut
E	Bevelled Seat (16A) female
F	John Perry (JP16A) with 13H nut
B	John Perry (JP16A) without nut
H	Adaptor 3A4 (1/2" O.D. Support Tube)
X	Other, Describe