



PHARMACEUTICAL SERIES RTD's

Anderson's "Pharmaceutical" series RTD's are designed specifically for temperature monitoring applications in the Bio-Pharmaceutical industries. These sensors are offered in two styles - a sealed cable version, and a new modular element for use with our "mini" RTD wiring head, or our new modular temperature transmitter. The modular element is available as single or dual element. Both styles feature completely sealed internals for maximum moisture and vibration resistance. Rapid response characteristics result from our unique method of attaching the element inside the stainless steel probe. These sensors are constructed entirely of 316 "L" grade stainless steel and all product contact surfaces are electropolished to an R_a max. of 8 micro-inches (.2 microns). All elements are provided with a permanently engraved stainless steel tag.

Specifications

General:	Anderson RTD elements are 100 ohm, 3-wire sensors which conform to DIN standards (commonly referred to as the "385 coefficient").
Type:	3 wire, 100 ohm, DIN standard, single element standard. Dual element optional.
Coefficient:	.00385 ohms/ohm/Deg. C
Accuracy:	.1% at 0°C (Band 1) Standard
Probe Diameters:	1/4" Standard for direct mount, sanitary clamp styles (1"-4"), single or dual element. 5/32" Standard direct mount, clamp styles (1/2" & 3/4" clamp and "mini-wells") <u>single element only</u> . #41247 projectile well fitting.
Response:	2.5 to 3 seconds for 63% step change
Span:	400°F (221°C) maximum
Low End:	-50°F (-45°C) minimum
High End:	350°F (176°C) maximum
Material:	316 "L" stainless steel wettable parts
Surface Finish:	8 micro-inch R_a (.2 microns) 32 micro-inch R_a (thermo-well fittings)
Fitting Styles:	All standard sanitary clamp styles, including fractional clamps and mini-thermowell styles; Refer to ordering matrix for details.