

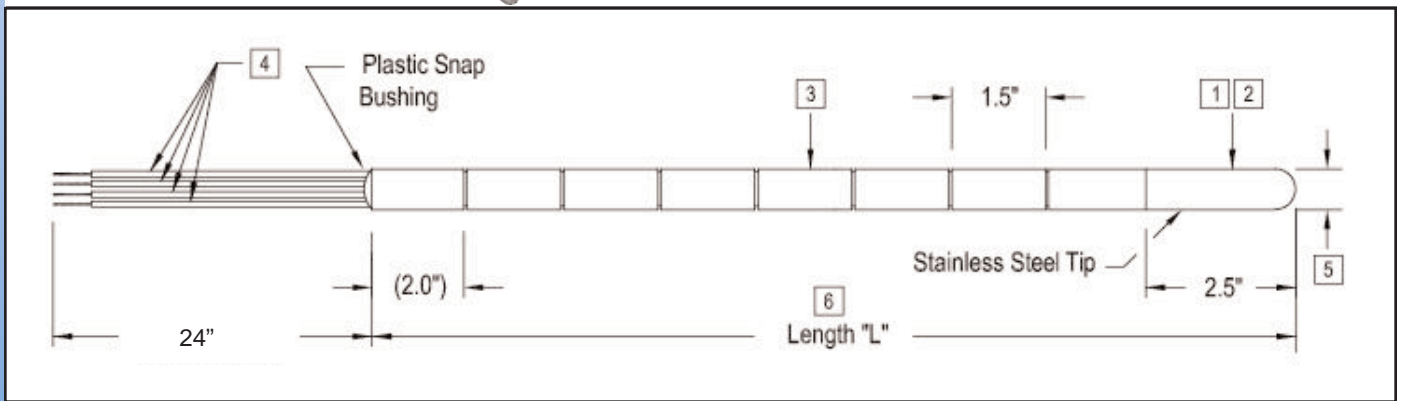
# Model 120 Hand-Breakable RTD

U.S. Patent No: 5,674,009

Stocking Weed patented "breakables" can reduce inventory and down time. No tools are required to break the sensor to the required length and optional fittings can be installed in a matter of minutes.



**Model 120** is designed to be used with optional fittings.



## Specifications:

1. Base Model	Base Model/Series Number.	
2. A. Accuracy:	Standard	Class B (no code)
	High	Class A (code H)
	Special	Customer Specified (code S)
	* Industry Standard is DIN Curve (code 01B), Platinum, 100 @ 0°C. Conforms to IEC 751.	
B. TCR:	Temperature Coefficient of Resistance is the temperature vs. resistance characteristics of a given metal (Pt, Cu & Ni) used in manufacturing the RTD. Determines the curve of the RTD.	
C. Ice Point Resistance:	R <sub>0</sub> - Resistance at 0°C (32°F)	
3. Construction:	Code V - Tube and wire construction, thin film element (.00385055) TCR, Teflon insulated lead wire in a fiber-breakable sheath.	
4. Lead Wires:	 4 - Wire	 6 - Wire (Dual 3 - Wire)
	 8 - Wire (Dual 4-Wire)	
5. Sheath Diameter:	.250" (1/4") is the industry standard.	
6. Sheath Length:	Available in two lengths, scored to be breakable every 1 1/2 inches, above 2 1/2" nominal tip.	
7. Optional Fittings:	Sensor is not supplied with mounting hardware, specify optional fitting.	

Model	Description	
120	<b>Hand-Breakable RTD</b>	
1	Code	R <sub>0</sub> & Temperature Coefficient
	01B	<b>100 ohm Platinum .00385055 TCR ( 100 ohms @ 0° C) - Industry Standard</b>
	01A	100 ohm Platinum .003902 TCR ( 100 ohms @ 0° C)
	10A	1000 ohm Platinum .003902 TCR (1000 ohms @ 0° C)
	10B	1000 ohm Platinum .00385055 TCR (1000 ohms @ 0° C)
	12N	120 ohm Nickel .00672 TCR ( 120 ohms @ 0° C)
	09C	10 ohm Copper (9.035) .004274 TCR ( 10 ohms @ 25°C)
	Add Code "H" for higher accuracy Add Code "S" for special accuracy Add Code "M_", ME for matched to element, MT for matched to transmitter, MP two matched to probes.	
2	Code	Construction Temperature Limit
	V	250° F Maximum
3	Code	Number of Lead Wires
	4	3-Wire (Complete Compensation)
	6	Dual 3-Wire (With dual element)
4	Code	Sheath Diameter
	C	.250" (1/4") Diameter
	5	Consult Factory
5	Code	Sheath Length
	15	15" (18" Overall) Standard
	31	31" (34" Overall)
	Other	Consult Factory
6	Code	Optional Fittings
	C1S	Compression 1/4" Sheath x 1/8" NPT SS
	C2S	Compression 1/4" Sheath x 1/4" NPT SS
	C3S	Compression 1/4" Sheath x 1/2" NPT SS
	NS1	Spring-Loaded: 1/4" Sheath x 1/2" NPT Hex Nipple
	FS5	Spring-Loaded: 1/4" Sheath 1/2" X 1/2" Hex Fitting with adjustable Fluid Seal
	310	Spring-Loaded: 1/2" X 1/2" Hex Fitting Kit
Other	Consult Factory	

120	-	01B	-	V	-	4	-	C	-	15	-	NS1
-	-	-	-	-	-	-	-	-	-	-	-	-

Sample Model Number

Your Model Number

