



J & S Instruments, Inc.

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AS-110 & AS-115 TEMPERATURE PROBES DATA SHEET

The AS-110 and AS-115 Temperature Probes utilize a Pt100 element with 100 ohm European alpha curve of .00385. This is in turn immobilized in a gray PVC tube with dimensions of 4" long x 7/8" diameter. The tube is open ended and slotted for air flow enhancement while being potted to ensure moisture integrity to the 2" wide x 4" long x 2" deep housing for the electronics. This housing is cast aluminum and has a cast cover and rubber gasket to give it a NEMA 4 classification. The electronics package circuitry is encapsulated in vacuum degassed rubber to provide immunity to gasses, humidity and vibration for rugged applications where inhospitable weather swings and rough handling mandate it. The electronics are hermetically sealed. A six foot four conductor cable is provided with the leads stripped and tinned on the attachment end. The range can be either Celsius or Fahrenheit and must be specified at time of order.

SPECIFICATIONS:	AS-110	AS-115
Sensor type:	RTD 100 ohm @ 0°	same
Element curve:	.00385 ohms/ohm/ ° C	same
Accuracy:	±0.2% of range @ 0° C	same
Output:	0.00-1.00 VDC	4.00-20.00 mA
Range:	-40° to 60° C -40° to 140° F	same same
Supply voltage:	12 ±10% VDC	same
Probe dimensions:	4" L x 7/8" Dia.	same
Housing dimensions:	2" W x 4" L x 2" D	same
Cable:	4 conductor w/shield, 24 gauge, 6 feet long	same

The AS-110 and AS-115 Temperature Probes come complete with a full one year warranty against defects in materials or workmanship.

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