



# J & S Instruments, Inc.

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## AS-120 & AS-125 RELATIVE HUMIDITY PROBES DATA SHEET

The AS-120 and AS-125 Relative Humidity Probes utilize a high accuracy capacitive humidity sensor. These units are designed so as to never require calibration in the field. They have interchangeable sensors that simply plug-in when it is necessary for field service or upgrade. The electronics are built right in the cylindrical probe body of the AS-120 and in the housing on the AS-125 so all the user has to do is supply the operating voltage and review the output via the six foot long color coded cable. The packaging is engineered for the harshest environments and is IP65 (NEMA 4) classified due to its metallic and/or ABS construction. The removable membrane filter protects the sensor from dust and dirt.

<b>SPECIFICATIONS:</b>	<b>AS-120</b>	<b>AS-125</b>
Sensor type:	Capacitive	same
Measuring range:	0 to 100% RH	same
Accuracy @ 20° C:	2% from 0 to 90% RH 3% from 90 to 100% RH	same
Stability:	±2% over 2 years	same
Operating temperature:	-10 to 60° C	same
Output:	0.00-1.00 VDC	4.00-20.00 mA
Supply voltage:	7 to 28 VDC	10 to 28 VDC
Supply current:	2 mA	2 mA plus output
Probe dimensions:	2.72" L x .47" Dia.	10.12" L x .59" Dia.
Housing dimensions:	N/A	3.15" L x 3.15" W
Cable:	4 conductor w/ shield, 24 gauge, 6 feet long	same

The AS-120 and AS-125 Relative Humidity Probes come complete with a full one year warranty against defects in materials or workmanship.

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