Directional Power Sensor

This Directional Power Sensor provides both forward and reflected composite power measurements with +/-5% of full scale accuracy, at power levels of up to 500 watts and is also NIST traceable. This sensor is intended for use at the transmit combiner output, in order to provide both composite output from the combiner power, as well as antenna VSWR information.

Product Specifications

Max. Average Power	
Max. Average Forward Power	500 W
Max. Average Reflected Power	50 W
Dynamic Range	13 dB
Operating Voltage	7/18 VDC
Operating Power	< 50 mA
Accuracy	+/- 5% of reading
Impedance	50 ohm
Insertion Loss	< 0.2 dB
Insertion VSWR	< 1.15 : 1
Intermodulation Distortion	< -145 dBc (PIM)
Instrument Interface	RS-485 via RJ-25 Connector
RF Connectors	N (M) / N (F)
Power Supply	7/18 VDC, < 50 mA
Operating Temperature	0 to 50 °C
Dimension (H x W x D)	5.2" (132 mm) x 3.8" (96.5 mm) x 1.4" (35.5 mm)
Weight	0.5 lbs (0.3 kg)

Frequency by Part Number

Part No.	Part No. (with cable)	Frequency
962-002-4405	965-004-4405	144 MHz - 174 MHz
962-002-4505	965-004-4505	380 MHz - 420 MHz
962-002-4605	965-004-4605	450 MHz - 512 MHz
962-002-4705	965-004-4705	762 MHz - 806 MHz
962-002-4805	965-004-4805	806 MHz - 869 MHz
962-002-4905	965-004-4905	896 MHz - 940 MHz

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