

Non-directional Power Sensor

This Non-directional Power Sensor is an economical sensor capable of measuring the output power of either analog or digitally modulated radios, at power levels up to 100 watts. This model is accurate to within +/-5% of reading with traceability to NIST. This sensor is a non-directional sensor that is ideal for use at the input to each channel of the transmit combiner where the VSWR is well controlled.

Product Specifications

Max. Average Power	100 W
Operating Voltage	7/18 VDC
Operating Power	< 50 mA
Accuracy	+/- 5% of reading
Impedance	50 ohm
Insertion Loss	< 0.1 dB
Insertion VSWR	< 1.07 : 1
Intermodulation Distortion	< -145 dBc (PIM)
Instrument Interface	0-4 VDC 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)	2.3" (50 mm) x 2.2" (56 mm) x 1.7" (43 mm)
Weight	0.3 lbs (0.14 kg)



Frequency by Part Number

Part No.	Part No. (with cable)	Frequency
962-004-4405	965-004-6405	144 MHz - 174 MHz
962-004-4504	965-004-6504	380 MHz - 420 MHz
962-004-4604	965-004-6604	450 MHz - 512 MHz
962-004-4704	965-004-6704	762 MHz - 806 MHz
962-004-4804	965-004-6804	806 MHz - 869 MHz
962-004-4904	965-004-6904	896 MHz - 940 MHz

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Analog I/O Configuration
 Analog Inputs: 3 Enabled [32 Total Available]
 Analog Outputs: 0 Enabled [4 Total Available]
 Formulas: 2 Defined

ADDRESS	NAME	VALUE	ENABLED	SEND EVENTS	LOW THRESHOLD	HIGH THRESHOLD	FORMULA	OFFSET	HOLD TIME (SECONDS)	QUALIFIER	LAST STATE CHANGE	MANAGE
1	DirectionalPower	10.50 W	TRUE	FALSE	0.00 W	45.00 W	$f \times \text{Watts}$	0.1 Volts	2	1	Jul 24, 2017 9:49:10 AM	Configure
2	Analog Input 2	12.38 Volts	TRUE	FALSE	0.00 Volts	25.00 Volts		0.0 Volts	0	0	Jul 24, 2017 9:47:15 AM	Configure
3	Analog Input 3	12.47 Volts	TRUE	FALSE	0.00 Volts	12.00 Volts		0.0 Volts	0	0	Jul 24, 2017 9:47:52 AM	Configure
4	Analog Input 4	--	FALSE	FALSE	--	--		0.0 Volts	0	0	Jul 12, 2017 3:41:54 PM	Configure
5	Analog Input 5	--	FALSE	FALSE	--	--		0.0 Volts	0	0	Jul 12, 2017 3:41:54 PM	Configure
6	Analog Input 6	--	FALSE	FALSE	--	--		0.0 Volts	0	0	Jul 12, 2017 3:41:54 PM	Configure
7	Analog Input 7	--	FALSE	FALSE	--	--		0.0 Volts	0	0	Jul 12, 2017 3:41:54 PM	Configure
8	Analog Input 8	--	FALSE	FALSE	--	--		0.0 Volts	0	0	Jul 12, 2017 3:41:54 PM	Configure

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