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

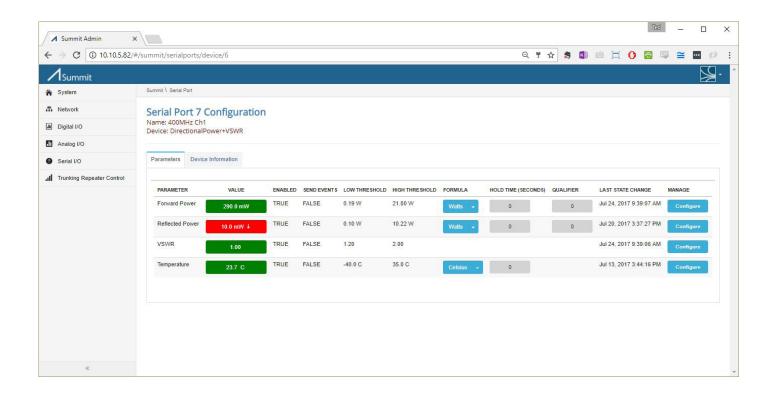
| Max. Average Power | |
|------------------------------|---|
| Max. Average Forward Power | 500 W |
| Max. Average Reflected Power | 50 W |
| Dynamic Range | 13 dB |
| Operating Voltage | 7/18 VDC |
| Operating Power | < 50 mA |
| Accuracy | +/- 5% of reading |
| Impedance | 50 ohm |
| Insertion Loss | < 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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TASC Systems Inc. is continuously working to improve system performance and expand product capabilities. Specifications are subject to change without notice.

NOTICE: Given the variety of factors that can affect the use and performance of a TASC Systems Product (the "Product"), it is essential that User evaluate the TASC Systems Product and software to determine whether it is suitable for User's particular purpose and suitable for User's method of application. TASC Systems' statements, engineering/technical information, and recommendations are provided for User's convenience. TASC Systems products and software are not specifically designed for use in "life support" applications. TASC Systems products and software should not be used in such applications without TASC Systems' express written consent.