PRF-1 PRECISION RF SENSOR

- RF power measurement for FM and TV broadcast facilities
- Linear DC sample output
- LED display indicates RF level
- Rugged metal enclosure

ACCURATE RF POWER MEASUREMENT

The PRF-1 Precision RF Sensor produces scalable DC samples from any directional coupler. The sensor provides reliable forward and reflected power indications permitting accurate VSWR calculation.

Bring the sample into any remote control system or use with the Plus-X VSWR. Each transmission line typically requires two RF sensors, one for forward power and one for reflected power.

BUILT FOR BROADCAST

Wide frequency response from 6 MHz to 1000 MHz enables accurate measurement of individual transmitter outputs or multichannel RF signals such as those found in combined antenna systems.

The Precision RF Sensor accommodates signals with high or low peak to average ratios, making it suitable for both analog and digital power measurement.

EASY INSTALLATION

The unit can be installed on any directional coupler without the need for additional mounting hardware. A 12V DC power supply is included.

SPECIFICATIONS

Dimensions:
4.33” (11 cm) L
2.35” (5.97 cm) W
1.38” (3.51 cm) D

Operating Tempurature:
0 °C to 45 °C

Operating Humidity:
5% to 90% non-condensing

Sensor Type:
True RMS

Frequency:
6 MHz – 1000 MHz

Impedence:
50Ω

RF Input Connector:
Type N

DC Connector:
Phoenix plug and socket for DC sample outputs and power supply inputs

Input Power:
-40 dBm to 20 dBm nominal
+23 dBm maximum

DC Sample Output:
0 V to 5 V

DC Power Supply:
9 V to 24 V
Standby current:
<60 mA typical @12 V
Operating current:
<100mA typical @ 12V

For additional information, contact Burk Technology at 978-486-0086x700, email sales@burk.com or visit www.burk.com
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