## DIGITAL RF POWER MONITORING PROBE WITH LAN CONNECTIVITY
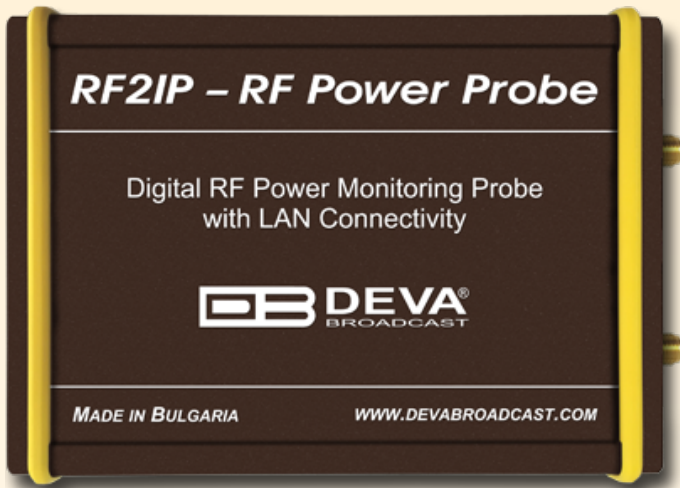
The RF2IP Digital Power Probe is the most cost effective solution on the market for easy monitoring of Forward and Reflected RF Power in a typical directional coupler and combiners installation.

The very high measurement precision and a dynamic range of more than 50dB make this probe the best choice for remote transmission systems measurements. It has been developed for a precise measurement of analog and True Average power for digitally modulated signals.

Top product performance is achieved thanks to the LAN port for full TCP/IP remote control and monitoring, advanced SNMP Ver.2C management and the extremely intuitive embedded WEB server for interactive supervision. It is powered through the LAN cable via PoE (Power over Ethernet) and all calibrations and additional adjustments are performed remotely.

The RF2IP Digital Power Probe comes with easy and flexible real-time monitoring and many other additional features, such as the Factory Parameters Restore option, FTP Server for downloading the measurements log, SNTP for automatic synchronization of the built-in clock, as well as date and time settings in various formats. It supports a variety of transmitter configurations and offers adjustable alarm thresholds for all important parameters. Alarms can be dispatched via E-mail, SNMP Ver.2C and Optically isolated GPO.

Combined with a compact and robust aluminum case, this powerful product delivers dependable round-the-clock operation with guaranteed quality.

RF2IP Digital RF Power Probe is an SNMP V.2 enabled telemetry tool all in a class of its own.

## FEATURES

- **Adjustable MIN/MAX alarms for FWD Power, RFL Power and VSWR**
- **Very Intuitive Embedded WEB server for interactive supervision**
- **Adjustable MIN/MAX alarms for Return-Loss and Crest Factor**
- **Compact and Robust Aluminum Case for high RF immunity**
- **SNTP for automatic synchronization of the built-in clock**
- **Dual RF Power ports with built-in precise power sensors**
- **LAN port for full TCP/IP remote control and monitoring**

- **Easy Installation and Setup**
- **Alarm dispatch via E-mail, SNMP and GPO**
- **Firmware update for future-proof operation**
- **Proved and reliable hardware for 24/7/365 operating**
- **IP-based broadcast control for exceptional scalability**
- **Advanced monitoring and full control by SNMP Ver.2C**
- **Attractive price and very good price-performance ratio**

## SPECIFICATIONS

### User Interface

| | |
|---|---|
| WEB interface | Full monitoring and control; Interactive and easy to use |
| Indicators | 2 LEDs on LAN connector |

### Communication Interfaces

| | |
|---|---|
| Ethernet | 10/100 Base-T; RJ45 connector |
| Protocols | HTTP, SNMP, SMTP, FTP, DHCP |

### Network

| | |
|---|---|
| Connector | RJ-45 |
| Type | Ethernet |
| Device discovery | UPnP support |

### Other

| | |
|---|---|
| GPO | 3 outputs, Open Collector type |

### Measurement Storage

| | |
|---|---|
| Storage | 8GB Build-in Memory Card |
| Data format | Text, CSV |

### Metering Accuracy

| | |
|---|---|
| RF Level | ±2% |

### Size and Weight

| | |
|---|---|
| Dimensions (W;H;D) | 86 x 25 x 125 mm |
| Shipping Weight | 230 x 70 x 172 mm / 0.533 kg |

### FWD Power Input

| | |
|---|---|
| Connector | SMA on rear panel |
| Impedance | 50 Ω |
| Frequency Ranges | FM (87 - 108MHz); DAB/DAB+ (170 - 242MHz); UHF/DVB/DVB-T2 (470 - 860MHz) |
| Sensitivity | -50dBm to +10dBm |
| Readings units | dBm, W |

### Refelcted Power

| | |
|---|---|
| Connector | SMA on rear panel |
| Impedance | 50 Ω |
| Frequency Ranges | FM (87 - 108MHz); DAB/DAB+ (170 - 242MHz); UHF/DVB/DVB-T2 (470 - 860MHz) |
| Sensitivity | -50dBm to +10dBm |
| Readings units | dBm, W |

### Operating conditions

| | |
|---|---|
| Temperature | -15°C to 55°C |
| Humidity | < 95%, non-condensing |
| Altitude | 0 to 5000m above sea level |
| EMC immunity | 6V/m |

### Power Requirement

| | |
|---|---|
| Power supply | PoE Switch (Not Included) or 48V/0.3A via PoE power injector. |
| Power consumption | 10VA |
| Connector | RJ45/LAN |



WE NEVER SPARE EFFORTS AND RESOURCES TO TURN OUR IDEAS INTO SUCCESSFUL PRODUCTS