

EPM 3000 series RF precision meter

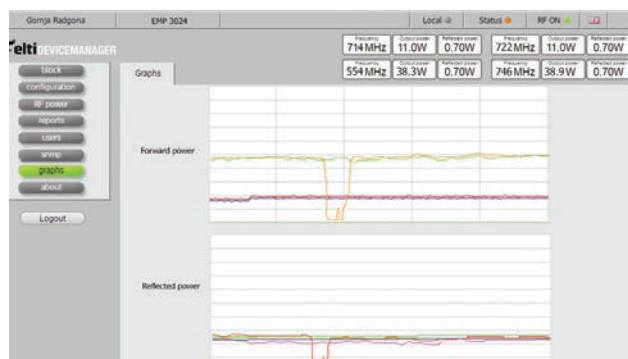
TYPES

EPM 3000

EPM 3024

Every broadcast network operator needs a tool for failsafe RF power monitoring. RF power monitoring solution EPM 3000 series are available as simple measuring tool integrated into 19" rack, or as an advanced, networked, controlled and programmed solution accessible via a simple web interface or integrated via SNMP protocol that ensures smooth operation of valuable investments and also minimizes life cycle costs.

RF precision meters can control up to 4 external RF measuring ports, each measuring forward and reflected power by default. The high dynamic range in combination with external couplers covers range from 1W to 60kW. The power conversion algorithms handle multi carrier, peak, average and RMS signals. Also the measured and calculated results along with alarms can be shown in the local LCD. The EPM 3024 instrument has SNMP support to allow integration into any network management system. The instrument can be configured for VSWR and power limits to give alarms. The alarms can also be configured as SNMP traps sending relevant information to the network control centre. The EPM 3000 series RF precision meters gives an unlimited number of applications to monitor and control the last part of your RF network installation from transmitters to the antenna.



The Elti Advantage:

- Forward and Reflected power measurement
- Correct measurement of RMS power
- Calculate VSWR (model depending)
- Local display of power and VSWR (model depending)
- WEB display of power, VSWR and alarms (model depending)
- SNMP enabled with traps (model depending)
- High accuracy and easy Elti range of probes integration
- Early warning on combiner, cable and antenna failures (optional)
- Performance management and reports (model depending)
- Event log with time stamp (optional)

Specifications

	EPM 3000	EPM 3024
Local Display	analogue meters	LCD
Power alarm - paralel port		Female DB-15 connector
Ethernet port		Ethernet 10/100 BASE-T (auto sensing) TCP/IP and SNMP protocols
Operating voltage	230 VAC at 50/60 Hz	
Power consumption	10VA	20VA
Operating temperature	0 to +50 °C	
Storage temperature	-20 to +80 °C	
Humidity	95% max. (non-condensing)	
Altitude	3000 m above sea level	
Weight	approx. 2,1 kg	
Dimensions (w x h x d) mm	19" x 2U x 120 mm	19" x 1U x 150 mm
SNMP protocol support		yes
WEB interfacance support		yes
Frequency range	80 to 1000 MHz	
Absolute accuracy	± 5% of reading	± 0,2dB (±4%)
Dynamic range		>50dB
VSWR calculation		yes
Measuring ports (Prfl/Pfor)	single port (forward and reflected power)	up to four ports - 8 measurements (each port measures forward and reflected power - default or two forward powers or two reflected powers) extension with more measuring ports is available with additional EPM 3024 unit(s)