D A T A S H E E T

4T2™ Broadcast Multi Probe 3000

4T2™ Broadcast Multi Probe 3000 is a custom design to provide a cost effective, compact and robust, highly integrated measurement system for digital broadcasting (DVB-T/-T2) based on the latest generation tablet computer.

The system combines real-time measurements of RF-modulation parameters, with MPEG transport stream analyser functions, power meter, coverage analyser, and spectrum analyser with tracking generator in a single instrument.

The industry-leading **4T2™ Content-Analyser** application is operating the advanced DVB-T/T2 measurement receiver.

RF, ASI and IP inputs on modulated signals can be used in parallel to the spectrum analysis and power meter functions, making the system extremely versatile to use.

The **4T2™ Broadcast Multi Probe** allows for mains independant, battery powered operation.
The weight of the fully equipped system is below 4.5 kg.

fields of use

- Field service, Troubleshooting
- Spectrum compliance
- GAP-Filler and filter testing and qualification
- Coverage Analysis
- Quality of service measurements, content verification
- Network performance analysis

benefits

- All-in-one-box. No external equipment required
- Very good measurement quality
- Ultra-robust design,
- RF, and Transport Stream analysis on multiple PLP
- Power and Spectrum analysis

interfaces

Terrestrial input EN.300.744, EN 302 755	BNC (50 Ω) -90 ÷ 0dBm 46.5÷ 870 MHz
DVB-ASI EN.50083-9	BNC (75 Ω), max 214 Mbps
IP interface	1000 Mbps

key characteristics

- MER (>42 dB), BER, Constellation, Impulse Response, Spectrum
- Level accuracy 1.5 dB
- Service Information decoding
- TR.101.290, PCR analysis, Triggered capture
- H.264, H.265 support

physical and power

Width	300 mm
Height	100 mm
Depth	280 mm
Weight	4.5 kg / 9.90 lbs
Power supply	90 .. 260 V, 47.. 63 Hz

environmental

Operating temperature	0 ÷ 40°C (32 ÷ 104°F)
Storage temperature	-20 ÷ 50°C (-4 ÷ 122°F)
Humidity	5 ÷ 85 %, non condensing

additional interfaces

USB 3.0 Mini display port, hdmi Common Interface (opt)	USB special functions: Card reader GPS receiver, Wheel Sensor

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