

D A T A S H E E T



The **4T2™ Rack** is a 2U 19in compact and robust, highly accurate transmitter monitoring system for digital terrestrial broadcasting (DVB-T/-T2, ATSC).

The system utilises ABC's unique hybrid demodulator technology, resulting in better than 41dB MER values without the need for calibration.

The **4T2™ Rack** has the capability to run two 4T2 Content-Analyser instances in parallel to simultaneously monitor the MPEG transport stream fed into the transmitter, and the one demodulated from the RF output.

interfaces

| | |
|---------------------|---|
| Demodulator input | N (50Ω), -15 ÷ 15dBm 177.5 ÷ 870 MHz |
| DVB-ASI (EN50083-9) | BNC (75 Ω), max 214 Mbps |
| 10 MHz Reference | BNC (50 Ω) |
| USB 2.0 | high speed 480 Mb/s |
| Ethernet | 1GB/s |

physical and power

| | |
|--------------|-------------------------|
| Dimensions | 483 mm / 19 in |
| Height | 88 mm / 2 U |
| Width | 483 mm / 19 in |
| Weight | 12 kg / 26.46 lbs |
| Power supply | 90 .. 260 V, 47.. 63 Hz |

4T2™ Rack demodulator



fields of use

- High-Performance transmitter monitoring

benefits

- All-in-one-box. No external equipment required
- Outstanding measurement quality
- Transport Stream analysis on demodulated RF, and ASI/IP feed at the same time
- Hardware and software from one supplier

characteristics

- MER better 41 dB
- Level accuracy 0.5 dB
- Reference frequency input
- SNMP remote control, DVB-MIB implemented
- Relay contacts for local alarming
- Supporting 64bit Windows®
- Best price/performance ratio

environmental

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

package contents

- 4T2™ Rack
- 4T2™ RF-Analyser application
- 4T2™ Content-Analyser application

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