

BiRDS

FM monitoring probe for audio and RDS

The BiRDS is our new probe suitable for reliable monitoring of the FM signals. Compact and versatile it provides accurate measurement of RF level, audio levels as well as the RDS decoding. The audio level monitoring make the BiRDS probe suitable for use as silence probe and the RDS parameters monitoring allows to easily verify if the right program is on air.

Supports SNMP protocol and can be configured in order to send alarm traps if one or more readings are outside the desired range. All the parameters and options can be set via web browser.

PoE feature make the probe very easy and quick to install.

FEATURES

- Alarms on SNMP Trap with programmable threshold
- Setup Through Web page and SNMP
- Remote Software upgrade capability
- High Sensitivity For direct antenna input

Audio Loss Alarm: R and L, R or L with delay in second

MEASURES

- RSSI level dBm, Accuracy ± 1 dBm
- Audio Level L and R audio
- RDS Decoding PI (Program identification)
PS (Program service name)
RT (Radio text)

RF INPUTS

- Input connector BNC Connector, 50 Ω female
- Frequency range 76.0 \div 108.0 MHz
- Tuning steps 50 kHz
- Input level range -30 \div +20 dBm *standard version
-60 \div -10 dBm *HS version
- Internal attenuator 0 \div 30 dB (step of 1 dB)

INTERFACES

- Ethernet RJ45, 100Mbit/s, PoE class 0
 - Protocols SNMP protocol, HTTP, RS485 RPTC
 - Key Reset tact switch (recessed)
 - Headphone 3.5 mm Phone Jack Audio Output
- (Alarm output and Analog output available instead of RS485)
- Alarm output Open drain max 24V/100mA
 - Analog output 0 \div 5Vdc

USER INTERFACE

- Web interface Monitoring and set-up
- Led Indicator Multicolor

POWER REQUIREMENTS

- PoE PoE 802.3af (class 0)
Power can also be supplied through a 48 Vdc / 0.25 A PoE power injector
- Auxiliary power input 12 Vdc / 300 mA

PHYSICAL

- Operating conditions 0 to 60°C, 0 to 95% non-condensing
- Case Tin plated steel enclosure
- Dimensions 103 x 58 x 28mm
- Weight 200g

ORDERING CODES

- BiRDS FM RF Power Probe with RDS
- BiRDS-H High Sensitivity FM RF Power Probe with RDS

