

# 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 thresholds
- Setup Through Web page and SNMP
- Remote Software upgrade capability
- High Sensitivity For direct antenna input

## MEASURES

RSSI level	dBm, or W, accuracy $\pm 1$ dBm
Audio Level	L and R audio
RDS Decoding	PI, PS, BER, TP, TA, MS, PTY, DI, CT, RT, Group Counter

## RF INPUTS

Input connector	BNC Connector, 50 $\Omega$ female
Frequency range	76.0 $\div$ 108.0 MHz
Tuning steps	50 or 100 kHz selectable
Input level range	-30 $\div$ +20 dBm *standard version -75 $\div$ -10 dBm *HS version
Internal attenuator	0 $\div$ 30 dB (step of 1 dB)

## INTERFACES

Ethernet Protocols	RJ45, 100Mbit/s, PoE class 0 SNMP protocol, HTTP, Modbus RPTC/ Modbus over RS485
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

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