

WIRELESS USB BASE STATION

WIRELESS



Type: **EFME**

- PLUG AND PLAY VIA USB
- RANGE UP TO 500 M
- FOR ALL TRANSMITTERS
- IP50 · 58 × 20.5 × 11 MM



KEY DATA

Radio	2.4 GHz DSSS, up to 500 m
Connection	USB type A plug, USB powered
Enclosure	IP50, 58 × 20.5 × 11 mm

Matching transmitters: EFMC (enclosure) and EFMF (OEM board).



OVERVIEW

Configuration and monitoring of a wireless network without a single cable: the base station sits in the USB port of any Windows laptop or tablet and reaches every transmitter in radio range. It draws its power from the port, so nothing has to be supplied or wired on the notebook side – which is why it travels well to commissioning, acceptance tests and service calls. Readings, calibration and diagnostics run over the air in the free software.

RANGE AND COMPATIBILITY

- range up to 500 m line of sight
- works with all transmitters of the range
- integral antenna, 2.4 GHz DSSS

POWER AND OPERATION

- USB powered, below 100 mA
- no external supply, no cabling
- setup with the free software



TECHNICAL DATA

INPUT AND MEASUREMENT

Transmitters	all transmitter modules of the range (EFMC, EFMF and others)
Base stations per PC	one
Radio channel	one channel, all modules on the same channel
Throughput	approx. 200 readings per second per channel

ENVIRONMENT AND MECHANICS

Operating temperature	-20 ... +55 °C
Storage temperature	-40 ... +85 °C
Humidity	max. 95 % RH, non-condensing
Protection	IP50
Dimensions	58 × 20.5 × 11 mm (L × W × H)
Interface	USB type A plug

OUTPUTS AND INTERFACES

Radio	licence exempt transceiver, 2.4 GHz, DSSS
Transmit power	10 mW
Range	up to 500 m (1 640 ft) open field, 3 m above ground
Antenna	integral

DISPLAY AND OPERATION

Configuration software	free of charge · configuration, calibration, diagnostics
Logging	software for up to 100 channels
Drivers	installed with the software – install before first plug-in

POWER SUPPLY

Supply	from the USB port, no external supply
Supply voltage	4.875 ... 5.125 V DC (USB 2.0)
Current	below 100 mA · single unit load

FUNCTIONS

Applications	commissioning, acceptance tests and service calls with a Windows laptop or tablet
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COMPLIANCE AND CERTIFICATION



CE

marked on the device



2,4 GHz

FCC · IC

contains FCC ID VHARA24 · IC 7224A-RA24 (Canada)



IP50

IP50

enclosure

ACCESSORIES AND OPTIONS

Software	configuration (free of charge) · logging and visualisation up to 100 channels
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Manufacturer type: T24-BSd.

