

MICRAD

Percipere Aestimare et Inquirere

AM40A/B RF PERSONAL WARNING MONITOR



AM40A/B



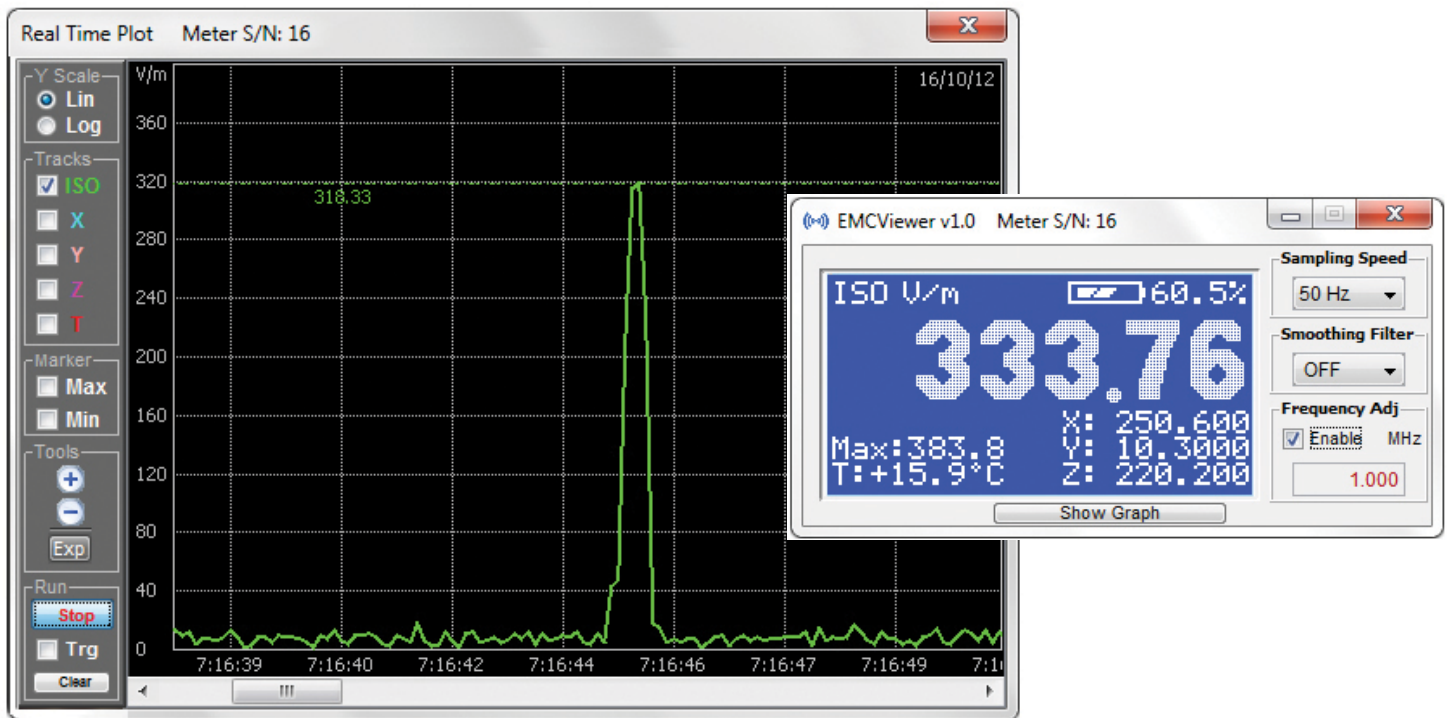
AM40A can operate in Pulse Mode for an effective response to the **Radar and 5G pulse signals**.

The **Wi-Fi** option allows wireless transmission of alarms, and the value of the electromagnetic field on **ANDROID OS** smartphones.

- Bandwidth 1 MHz – 40 GHz
- Adjustable alarm thresholds with frequency normalization
- Isotropic E field sensor
- Acoustic, optical and vibration alarms
- 400 hours of autonomy
- Pulse function to measure pulse signals
- Internal data logger
- Software for configuration and data visualization
- Automatically clips onto a helmet or arm band
- Wi-Fi option for remote alarms and measurements of the electromagnetic field on Android OS smartphones



Software Application



Using AM40A in combination with a helmet further minimizes the reflective effect of the body with consequential improvement of measurement accuracy.

This solution guarantees the perception of the vibration alarm in any operating condition.

AM40A can also be affixed to an arm band or clipped onto a belt.



TECHNICAL SPECIFICATIONS

SENSOR	
Frequency range	AM40A 1 MHz – 40 GHz AM40B 1 MHz – 6 GHz
Measured field	Electric field
Standard sampling rate	1 sec
Sampling rate in Pulse Mode	20 ms
Linearity	+/- 0,5 dB (20%–200%)
Frequency response	+/- 3 dB to 1 MHz – 6 GHz +6/-3 dB to 6 – 20 GHz +10/-3 dB to 20 – 40 GHz
Anisotropy	+/- 1 dB @ 1 GHz
Immunity to 50/60 Hz electric field	>5 KV/m
Frequency response type	Flat, with dual programmable alarm threshold
Data logger	Available
Storage interval	1 second – 6 minutes
Storage capacity	100,000 values, isotropic, maximum, average or minimum
Data connector	USB
OPERATOR INTERFACE	
Alarm indications	6 LEDs with percentage indication of 10/25/50/75/100/200% exposure, acoustic and vibration with simultaneous operation if threshold values are exceeded
Power on/off	Single button with LED indication
Battery charge status	Two-color LED
Battery charge connector	USB
Autonomy without alarm in operation	400 hours
Software	EMC viewer
SW setting functions	2 alarm setting levels, storage interval, sampling rate, average interval, frequency correction factor
SW display functions	Minimum, average and maximum value, data printout, graph over time
GENERAL SPECIFICATION	
Recommended calibration interval	3 years
Battery	LiPo rechargeable
Charging time	7 hours
Operating temperature	-10°C +50°C
Humidity	5%–90% non-condensing
Arm/belt attachment	Yes
Helmet attachment	Yes
Weight	190g without adapters
Dimensions	135 h x 60 w x 39 d mm
Protection rating	IP54 optional IP65

Technical information may be subject to change without notice

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