

AMB-8059 Multi-band EMF Area Monitor	
General Specifications	
GSM module	Quad-band (850, 900, 1800, 1900 MHz) GPRS ⁽³⁾
Field probes	Interchangeable, several models available, single and dual probe operation
Interfaces	RS232, USB, Ethernet, Micro SD Card; GSM/GPRS modem ⁽³⁾
Protection	Sensor to notify case opening
Other alarms	Protective case opening, internal overheat, internal humidity, low battery, battery overload (model AMB-8059/01 and AMB-8059/03 only), probe malfunction, field over limit.
Internal battery	AMB-8059/00 - AMB-8059/02: Non rechargeable primary battery, lithium SAFT LSH20, 3,6 V, 13 A/h AMB-8059/01 - AMB-8059/03: Lead, 4V, 2,5 A/h, rechargeable
Consumption	1 mA with GSM module off 20 mA with GSM module in stand-by state ⁽³⁾ 300 mA max with GSM module transmitting ⁽³⁾
External power	DC, 5 V, 1 A max (AMB-8059/01 and AMB-8059/03 only)
Operating time	AMB-8059/02: about 8 months @ 1min GSM module transmission per day and single probe operating mode (autonomy depends on probe and setting) ^{(4), (5)} AMB-8059/03: > 80 days in total darkness @ 1min GSM module transmission per day and single probe operating mode (autonomy depends on probe and setting) ^{(4), (5)} For best performance install solar panels in direct sunlight.
Recharging time	24 hours with external power unit (AMB-8059/01 and AMB-8059/03 only)
Auto test	Automatic
Compliance	European directives 89/336 and 73/23, CEI 211-6, CEI 211-7, ITU-T K.83
Ambient temperature	-20 °C / +55 °C
Dimensions	(WxDxH) 112 x 112 x 730 mm
Weight	AMB-8059/00 and AMB-8059/02: 1,2 kg (unit only); 6,5 kg (total weight including supports and base) AMB-8059/01 and AMB-8059/03: 2,4 kg (unit only); 7,7 kg (total weight including supports and base)
Environmental protection	IP55
Country of origin	Italy

Notes:

- (1): To the controller PC or to the user's FTP server depending on the preferred communication mode.
- (2): Directly from the station or from the user's FTP server depending on the preferred communication mode.
- (3): AMB-8059/02 and AMB-8059/03 only are equipped with GSM/GPRS modem.
- (4): AMB-8059/00 and AMB-8059/01 power autonomy is longer as they are not equipped with GSM/GPRS modem module.
- (5): Specifications depending on battery age, ambient temperature and GSM field coverage.

AMB-8059-SW-02 PC Software	
Main Functions and Requirements	
Main functions	Local and remote communication for AMB-8059 setup and data downloading
	Data display/analysis in graphical and table format
	Vertical and horizontal zoom, linear and logarithmic graphs, marker
	Data export
PC minimum requirements	Operating system: Windows XP, Vista, Windows 7
	Minimum display resolution: 1024x768
	Internet connection for FTP remote communication mode (ports 20 and 21 for FTP data communication must be open)
	Line or GSM modem for CSD (Circuit Switched Data) remote communication mode

ORDERING INFORMATION

AMB-8059	
Remote stations	
Area Monitor station powered by internal primary Li-Ion battery	AMB-8059/00
Area Monitor station powered by solar panel and back-up battery	AMB-8059/01
Area Monitor remote station with GSM/GPRS internal modem, powered by internal primary Li-Ion battery	AMB-8059/02
Area Monitor remote station with GSM/GPRS internal modem, powered by solar panel and back up battery	AMB-8059/03
Field probes	
Electric field probe 0.1 to 3000 MHz; 0.2 to 200 V/m	EP-1B-01
Tri-band electric field probe 0.1 to 3000 MHz / 0.1 to 862 MHz / 933 to 3000 MHz; 0.2 to 200 V/m	EP-3B-01
Electric field probe 0.1 to 7000 MHz; 0.2 to 200 V/m	EP-1B-03
Quad-band electric field probe 0.1 to 3000 MHz; 0.2 to 200 V/m / 925 to 960 MHz / 1805 to 1880 MHz / 2110 to 2170 MHz, 0.03 to 30 V/m	EP-4B-01
Quad-band electric field probe 0.1 to 7000 MHz; 0.2 to 200 V/m / 925 to 960 MHz / 1805 to 1880 MHz / 2110 to 2170 MHz, 0.03 to 30 V/m	EP-4B-02
Magnetic field probe 10 Hz to 5 kHz; 50 nT to 200 μ T	HP-1B-01
Electric field probe 10 Hz to 5 kHz; 5 V/m to 20 kV/m	EP-1B-04
Optional accessories	
Metallic T-shaped base and Fiberglass mast (includes kit of screws, ties and 3 ballast bags)	AMB-8059-MAST
Cover extension for AMB-8059 dual probe configuration	8059-CE
Includes in delivery	
<ul style="list-style-type: none"> • Primary Li-ion battery (AMB-8059/00 and AMB-8059/02 only) • Power supply / Battery Charger (AMB-8059/01 and AMB-8059/03 only) • Assembled Solar Unit (AMB-8059/01 and AMB-8059/03 only) • Ethernet cable (AMB-8059/01 and AMB-8059/03 only) • USB cable, 1,8 m, USB(A)/USB(B) • Swivel joint for installation on AMB-8059-MAST • Operating Manual, Test & Calibration Certificates • AMB-8059-SW02 PC Software 	