

SARA-MM

NOISE MONITORING TERMINAL

SARA-MM is the noise monitoring terminal developed to be part of a noise monitoring system. It works in a network of terminals as soon as a stand-alone unit. It is available as permanent, semi-permanent or portable version according to the customer needs. Each unit or the whole network can be remotely controlled and fully managed by SARA Software. Noise and meteo data can be acquired, recorded, displayed and transmitted remotely

APPLICATIONS FIELDS

- Environmental Noise Monitoring
- Airports Noise Monitoring
- Building Sites Monitoring
- Transportation Noise
- Noise Mapping
- Noise Barriers Verification
- Urban Noise
- Short/medium term noise complaints investigations
- Combined noise and meteo monitoring



ADVANTAGES/BENEFITS



- Easy terminal installation and startup
- Administration and user full control of system and data from office
- Multi-terminal and multi-client applications for data sharing among controllers, consultants and project leaders or even public
- Automatic data storage



- Type approved Class 1 or Class 2 IEC 61672 noise measurements
- Real time spectral analysis according to IEC 61260
- Continuous and scheduled acquisitions
- Integrated electrical calibration for easy system periodic check



- Advanced trigger and alarm function on noise events and meteo data exceedances
- Local alarm based on noise and/or meteo data
- Automatic status email notification: battery, calibration, deviation, triggers and alarms
- Real-time data streaming capabilities



SARA

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SARA-MM

TECHNICAL SPECIFICATIONS

- Rugged and light housing with IP65 protection
- Handle for easy transportation
- Easy on-site poweron & installation
- GSM antenna
- Dedicated for Class 1 or Class 2 sound level meters according to IEC 61672 HD 2110L - HD 2010UC/A - HD 2010UC
- Connections status and battery LEDs for onsite check
- Internal rechargeable battery to avoid loss of data on the event of AC power interruption
- Local storage to avoid data loss in case of bad wireless communication
- Input for direct connection of meteorological sensors for the measurement of temperature, relative humidity, wind speed, precipitations
- HDWME outdoor microphone with weather protection
- Feet for rapid on-site system positioning and short-term installations
- Airborne noise
- 90° community noise, 0° aircraft noise incidence



GENERAL SPECIFICATION		
Precision class	cl.1 or cl.2* (IEC61672)	
Parameters	Leq, Lp, LN, Lpk	
Frequency analysis	1/3 oct. up to 20KHz*	
Statistical analysis	Percentile levels	
Data storage	Data Logger*	
Automatic calibration	CIC/Electrostatic 104/94dB 1KHz	
Localization	GPS module*	
Communication	4G/3G/GPRS TCP/IP	
Enclosure Protection	IP65/IP67*	
Exceedance Alarms	e-mail + Real time	
Power	Batteries, mains or solar	
Battery operation	From 48h upto 7days	
Solar panel operation*	Up to 10days without sunlight	
Dimension	500x430x210 mm	650x540x260 mm
Management software	SARA suite	
Tacks receiver*	SARA ADS-B receiver	
Microphone Mast	Up to 4 mt height	
* options		

