

**MIKRON5**

Advanced ground microphone system for locating water leaks on site

<b>SENSOR SPECIFICATION</b>		<b>Ground Microphone</b>
Sensor type		Ceramic piezoelectric within windproof rubber housing
Sensitivity		20V/g
Frequency response		10-5000 Hz
<b>WIRELESS COMMUNICATIONS</b>		
Type		Bluetooth LE
Operating frequency		2.4 GHz (ISM band)
Output power		9.93dBm / 9.84 mW
Wireless operating range		≤6 meters
<b>POWER</b>		
Type		Battery pack – Nickel Metal Hybride (rechargeable)
Operating life		≥10 hours continuous use from full charge
Recharge time		Approx. 5 hours (temperature dependent-
Overvoltage Category		OVC II
<b>ENVIRONMENTAL</b>		
Operating temperature		-10°C to +50°C
Charging temperature		0°C to +30°C
Maximum humidity		90%
Water ingress protection (ground mic / case)		IP65 / IPX0
Indoor or Outdoor use		Outdoor (Ground Mic) / Indoor (case)
Altitude		Up to 2000m
Wet locations		Designed to work in environments where water is present for short periods of time
Pollution Degree		Pollution degree 4
<b>DIMENSIONS / WEIGHT</b>		170 x 180 mm diameter / 1.85kg (without handle)
<b>BATTERY CHARGER</b>		<b>CASE</b>
Transport Case		Ruggedized with in-case battery chargin
AC Mains Input Voltage (if using supplied adapter)		100 – 240V +/-10%
AC Mains Input Current (if using supplied adapter)		0.06A – 0.03A
AC Mains Input Frequency (if using supplied adapter)		60 / 50Hz
DC Input		12V DC +/-25%
DC Current draw / power		5W
<b>PROCESSOR SPECIFICATION</b>		<b>APP</b>
Operation		Audio listening with minimum noise display and filter control
<b>Filters</b>		
Metal		75 – 2000 Hz
Concrete		75 – 1000 Hz
Plastic		60 – 500 Hz
Wideband		30 – 5000 Hz
<b>Display</b>		
Type		As per tablet / mobile
Display of leak noise		Minimum and current histogram
GPS position feature		Yes (future expansion)
Internal memory		As per device
<b>MAINTENANCE AND CLEANING</b>		
Cleaning instructions		Clean with a dry lint free cloth if necessary
Equipment maintenance and service		When internal NiMH battery becomes end of life, contact factory for replacement, this is not a user serviceable item
<b>ATTENTION</b>		The charge case appliance coupler must always be accessible (for unit disconnection)

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