



WIRELESS BORE GAUGE

M1 Wave™ is an innovative bore gauge featuring Bluetooth® transmission technology, which offers maximum flexibility and operating freedom while the measurements are performed. Wireless offers following advantages: No cable en-

tanglement or breaks, ergonomic operations, measuring directly at the machine.

M1 Wave is composed of a standard EBG (Electronic Bore Gauge) plug head with built-in transducer and of a handle containing the Bluetooth® transmitter and the power supply batteries. It is avail-

able with standard "C" alkaline or Li-Ion inductive rechargeable batteries, allowing approx. 220 or 40 hours continuous working time respectively.

By simply replacing the plug head, the M1 Wave can be easily retooled to measure different diameters.

By simply pressing the button on top of the handle, the bore gauge can communicate in real time with the electronic display, showing the measured value. With the same button it is possible to acquire data in order to perform statistical operations, and to control advanced cycles or guided sequences.

The IP67 protection rating of the entire M1 WAVE bore gauge guarantees reliability of the device when used in severe shop floor environments.

Due to the absence of mechanical transmission errors, the M1 WAVE guarantees excellent repeatability of 0,5 micron or .000020 inch.

The measurement value is transmitted at a distance of up to 10m to the associated electronic display unit. This is done even in the manufacturing environment in a safe and reliable way.

ELECTRONIC INTERFACES

The M1 WAVE communicates wirelessly to Bluetooth® enabled MARPOSS electronic displays and measurement units, such as: Nemo, Merlin, Merlin Plus, Merlin Plus Box, E9066. Communication software, developed by MARPOSS, is also available to allow connection of the M1 Wave to commercial computers.








Bluetooth®/uetooth®

TECHNICAL SPECIFICATIONS

BATTERIES		PROTECT. DEGREE	COMMUNIC. DISTANCE	WEIGHT
TYPE	MIN. DURATION	IP67	Bluetooth® Class 2 (10m)	580g
Alkaline Type "C"	220 hours*			
Inductive Li-Ion**	40 hours*			

* The duration of the batteries can be further increased up to several months in normal operating conditions by means of the programmable auto-shutdown option (Power Safe mode).

**For a full charge of the battery 5 to 6 hours are required. 2 hours are enough to reach 80% of the full charge.

	DESCRIPTION	ORDER CODE
	Wave Handle with alkaline batteries	2TW0SFB000
	Wave Handle with Li-Ion inductive batteries	2TW0SFI000
	Interface adapter to fix EBG plug heads to Wave handle	2TIESF0000
	"Clip On" manual charger for Wave handle with Li-Ion batteries	2T0IRMS001
	Stand with battery charger for Wave handle with Li-Ion batteries	2T0IRBS001
	Power supply unit for one stand with battery charger	2T0IRCS010
	Power supply unit and junction box for up to four stands with charger	2T0IRSS010

BATTERY CHARGER APPLICATION EXAMPLES



"Clip on" charger



Charging station

For a full list of address locations, please consult the Marposs official website

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