

MLC113 | Portable Time Clock

TECHNICAL DOCUMENTATION



-  LF and UHF reading
-  graphic OLED display
-  2000 mAh battery
-  GPS module
-  transmission with GPRS or WiFi
-  audible buzzer

HARDWARE

MICROPROCESSOR	LPC2144 16/32 bit 16KB SRAM
MEMORY	8 Mbit serial flash
REAL-TIME CLOCK	EPSON RTC 8564 with automatic daylight saving time management
BATTERY	Rechargeable 3.7V 2000mAh Li-Ion battery
CONNECTION PORT	MiniUSB (inside the sealed enclosure)
RFID READING	LF: 100-150 KHz Read only o Read/Write; UHF: 868 MHz Read only o Read/Write
AUDIBLE BUZZER	• Buzzer audible even in noisy environments • Possibility to customize the number and duration of audible alerts associated with different events
DISPLAY	0.96" 128x64 graphic OLED display with a brightness of 120 lumens
READ RANGE	LF: 3 mm from the front top UHF: up to 20 mm with circular antenna polarization
DATA TRANSMISSION	• GPRS with internal SIM CARD OR • WiFi (instead of the GPRS Module, only with open enclosure) • Direct cable connection to PC
CHARGING	1 Mt. USB cable with 3.5 mm jack connector featuring a temperature sensor to interrupt charging if operating temperature thresholds are exceeded (from 0°C to +40 °C)

OTHER FEATURES

DIMENSIONS	125 mm x 51 mm x 29 mm
WEIGHT	With GPRS: 121 g With WiFi: 118 g
SHOCKPROOF	Operation after a 50cm drop onto concrete
TEMPERATURES	Storage temperature: -20°C to +70 °C; operating temperature: 0°C to +40 °

The device is supplied in a waterproof version (IP65 Standard) thanks to the sealed and hole-free enclosure. The enclosure is equipped with a ring for attaching to a retractable device (Roller). The device has all the EM certifications for CE standards.