



**EMBEDDED GAUGE COMPUTER**

Merlin represents a new concept of gage computer using the same

technologies created for portable electronics, for data collection and basic statistical analysis from traditional or wireless measuring devices.

It is available as basic version with Microsoft® Windows® CE operating system, designed for simple measuring applications up to 16 sensors/measurements, and as Plus version with Microsoft® Windows® XP Embedded operating system, designed for enterprise applications up to 32 sensors/measurements. Embedded technology allows: small dimensions (the whole system footprint is smaller than an A4 sheet of paper), fanless architecture and no moving parts (flash disk storage media), assuring the highest level of system reliability. Merlin gage software guarantees a friendly and easy to use operator interface. Its touch-screen designed human interface allows to program and acquire measures without any additional input/command device. The Merlin Plus with Microsoft® Windows® Xp adds to Merlin enhanced data storage capabilities for the most demanding network environment.

**MAIN HARDWARE CHARACTERISTICS**

	Merlin	Merlin Plus
CASE	Robust industrial-grade plastic case	
PROTECTION	IP 65 (on front panel)	
TOUCH SCREEN	4 wire analog-resistive	
LCD DISPLAY TYPE	8.4" color TFT - supporting SVGA resolution (800x600)	8.4" color TFT - supporting SVGA resolution (1024x768)
STORAGE MEDIA	Internal removable compact flash up to 512 MB	Internal removable compact flash up to 8 GB
ETHERNET LAN	10/100 Mbps RJ45 connector	
USB PORTS	4 Host + 1 Device	5 Host
	1 internal to support a <i>Bluetooth</i> ® adapter	
SERIAL PORT	1 x RS232C	
BENCH-TOP SUPPORT	Reclinable (VESA compliant for pivoting-arm solutions)	
DIMENSIONS	230 x 180 x 45 mm (9" x 7" x 1.8") L x H x D	
OPERATING SYSTEM	Microsoft® Windows® CE 5.0	Microsoft® Windows® XP Embedded

TRANSDUCERS AND MEASUREMENT TRANSMISSIONS

BORE GAUGES LINE

FORKS AND RING GAUGES

BENCH GAUGES

INDICATORS AND ELECTRONIC DISPLAY UNITS

INTERFACE BOXES FOR DATA ACQUISITION

SOFTWARES



Multiple bargraph display



Histogram

Quality Control Chart



Virtual keyboard

Programming interface

**MEASUREMENTS**

- Up to 16/32 sensors connectable via USB, RS232 or *Bluetooth*® wireless technology.
- Data collection from Marposs Easy Box™, Digi Crown™, M1 Wave™ and third-party serial devices.
- Measurement capability up to 16/32 characteristics
- Multiple measurement display with numeric and graphical layout.
- Acquisition command through external signal (foot-switch, push buttons) or touch-screen.

**STATISTICAL PROCESS CONTROL**

- Statistical Analysis with graphic display (Histogram, Control Charts, Value Chart...) and numeric summary (Cp, Cpk, Spread, Average...).
- Data segregation (by machine, product batch, analysis purposes).
- Part counters.
- Local data storage on internal memory and/or removable USB memory devices.
- Remote data storage through Ethernet LAN.
- Data storage format: .DFQ (Q-DAS® qs-STAT®) and .CSV (Microsoft® Excel Comma Separated Values).
- Print of charts

**CONFIGURATION AND PROGRAMMING**

- Multi-language support for East/West European and Asian languages. Other language versions available upon request.
- Programming interface designed to be used with touch-screen.
- Password protected multi-user management.

**How to Order**

DESCRIPTION	ORDER CODE
MERLIN with East/Western European operating system	830MEABC00
MERLIN with Japanese operating system	830MECBC00
MERLIN with Korean operating system	830MEEBC00
MERLIN with Chinese operating system	830MEFBC00
MERLIN PLUS with Western Windows XP Embedded operating system	830MPAAC00

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

D6D00502G0 - Edition 03/2012 - Specifications are subject to modifications  
© Copyright 2010 MARPOSS S.p.A. (Italy) - All rights reserved.

MARPOSS, ® and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in the present publication are acknowledged to the respective owners.

Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.

