DISPLACEMENT SENSORS

BORE GAUGES LINE

FORKS AND RING GAUGES

BENCH GAUGES

INDICATORS AND ELECTRONIC DISPLAY UNITS

INTERFACE BOXES FOR DATA ACQUISITION

SOFTWARE

MERLIN FAMILY

... intuitive and user friendly solutions....

The Merlin family, specifically designed for measuring applications in the shop floor environment, has defined an entirely new generation of Gauge Computers, based on the concept of an intuitive and user friendly interface with basic statistical analysis.

PRODUCT FEATURES

Merlin™, Merlin Plus™ and Merlin Plus Box™ share the capability of:
- collecting data from a wide range of measurement devices, made by Marposs or third-parties, via USB, RS232, Ethernet or Bluetooth;
- multiple measurement display with numeric and graphic layout;
- choosing between a wide number of predefined I/O layouts;
- data traceability;
- multi-language support for European and Asian languages;
- managing batches, data segregations, part counters and data storage in QDAS® (DFQ) or CSV format (on internal memory, USB memory devices or remote through Ethernet LAN);
- multi-user password-protected management.
- statistical analysis with graphic display and numeric summary;
- providing Gage Capability and R&R studies facilities;

Merlin™ comes with the Merlin software and offers data collection and basic statistical analysis from traditional or wireless measuring devices. It has been designed for simple measuring applications up to 16 measurements and is available with Microsoft® Windows® CE7 operating system.

Merlin Plus™ comes with the Merlin Plus software and has been designed for enterprise applications up to 250 measurements, adding printing capabilities and dynamic acquisition management. It is available with Microsoft® Windows® 7P operating system to best fit network connectivity.
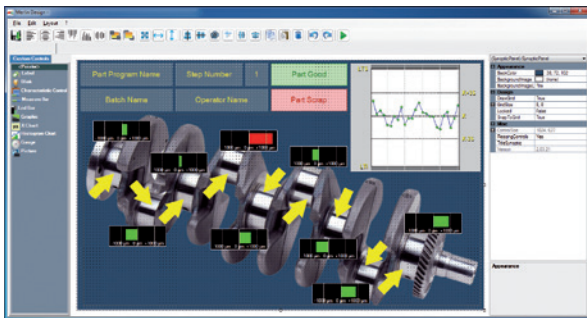
Merlin Plus Box™ comes with the Merlin Plus software and is provided in a sealed enclosure, specifically designed for the shop floor environment. It is connectable to any external DVI or VGA-compatible display, with or without an integrated touch-screen.

Merlin Plus Software™ adds the possibility of running on customer PC and it is Microsoft® Windows® 7 and Microsoft® Windows® 10 compliant.

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TECHNICAL SPECIFICATIONS

MAIN HARDWARE CHARACTERISTICS			
	MERLIN	**MERLIN PLUS**	**MERLIN PLUS BOX**
Case	Plastic	Aluminium	Plastic
Protection (front panel)	IP65		IP54
Touch screen	4 wire analog-resistive	5 wire anti-reflection	External DVI connection
LCD Display Type	8.4" 4:3 SVGA	12.1" 4:3 XGA True Flat	-
Storage media	eMMC 4GB	mSATA 32GB	SATA 2 32GB
Ethernet LAN	10/100 Mbps RJ45 connector	2 x 10/100/1000Mbps RJ45 connector	
USB ports	4 Host + 1 internal	5 Host + 1 internal	6 Host
Serial ports	1xRS232C		
Bench-top support	Reclinable - VESA75 compliant		Fixed – DIN rail
Power supply	24Vdc (18 ÷ 36Vdc)		
Relative humidity	5 ÷ 80 % (non-condensing)		
Operating temperature	0 ÷ 50 °C		
Dimensions LxHxD	230x180x45 mm (9''x7''x 1.8'')	324x323x200 mm (12.8''x12.7''x 7.9'')	200x185x86 mm (7.9''x7.3''x 3.4'')

PROGRAMMING TOOL

Merlin Plus Designer™ works in association with the Merlin Plus software and is a stand-alone software that allows to create customized measure pages using various objects, such as dedicated measuring bars, images and statistical graphics. Customizing each part program, with a dedicated page, will help to guide the operator through the measurement procedure, avoiding errors and easily keeping the production under control. On the same page, the measurements result, statistical graphs or the next measurement step, can be shown.

HOW TO ORDER

DESCRIPTION	ORDER CODE
MERLIN with East/Western European operating system	830MEADD00
MERLIN with Japanese operating system	830MECDD00
MERLIN with Korean operating system	830MEEDD00
MERLIN with Chinese operating system	830MEFDD00
MERLIN PLUS - Windows 7P multi-language	830MPMEHB0
MERLIN PLUS - Windows 10 IoT Embedded multi-language	830MPMFIC0
MERLIN PLUS BOX - Windows 7P multi-language	830MBAAAA0
Merlin Plus Software Kit	CM7000000E
Merlin Plus Designer Kit	CM7000001E

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

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