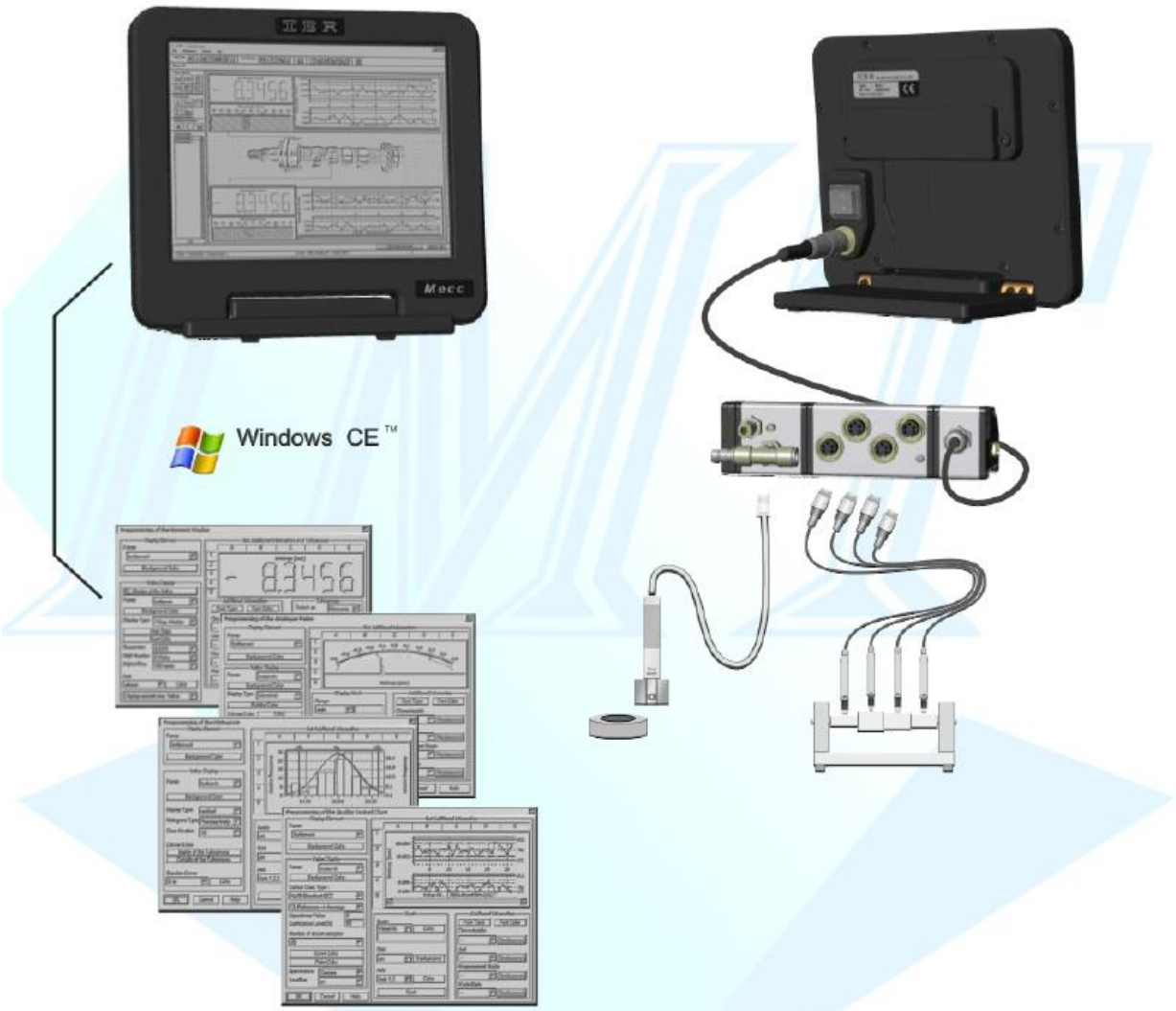
IBR MECC

Compact measuring computer



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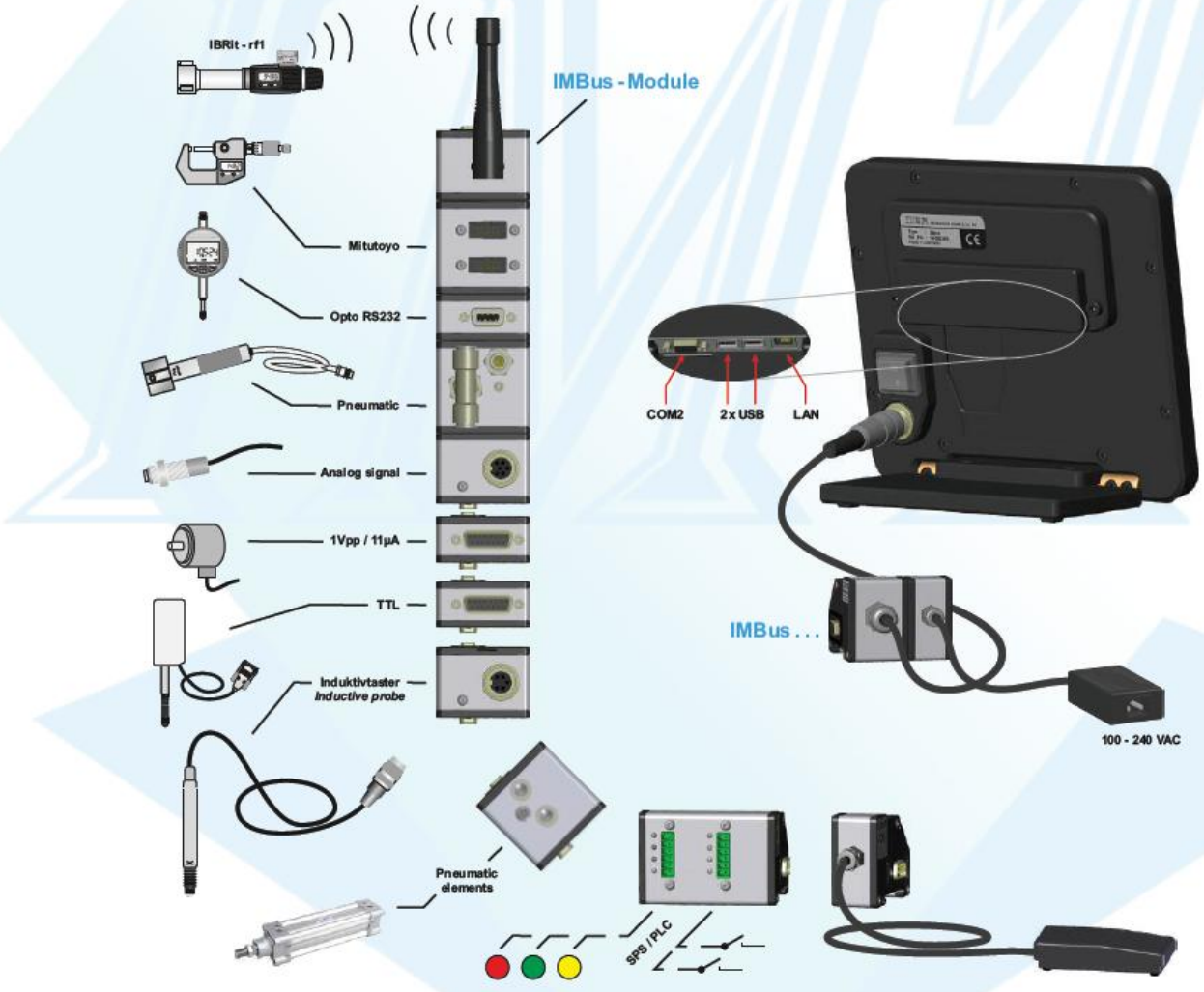
MECC: Compact measuring computer for industrial use

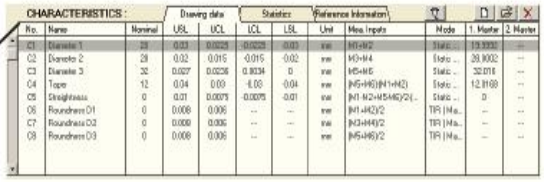
The compact measuring computer Mecc is a robust and universal industrial computer for manual and automatic collection of measured values with statistical analysis. Programmable measuring sequences and control functions allow the automatic operation of multi-gauging fixtures up to the transfer of correction values to CNC machines. By the usage of IMBus modules the measuring computer can be individually configured for any application with 1 ... 64 measuring inputs.

- Compact and robust construction with solid, sealed metal case (optional cover cap for IP64), passive cooling and 8" TFT-Display (800 x 600) with touch screen, adjustable angle of tilt
- IMBus modules for inductive probes, incremental systems, pneumatic gauge heads, sensors with analogue voltage or current outputs and gauges with data output
- Profibus- and PLC compatible in / outputs for control applications
- Standard PC-connections USB, LAN and RS232 (COM-Port)



Windows CE
- No shut down of the operating system
- High security against virus and misuse
- Storing of measured values in internal flash memory, on USB-Sticks and in network

Create characteristics

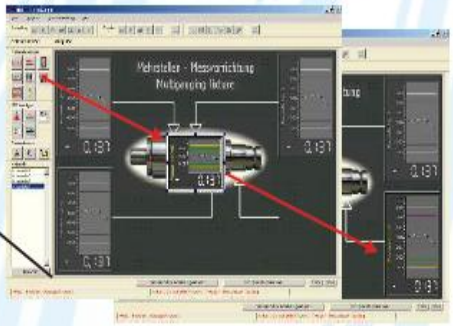


Input of characteristics with unit, nominal size, tolerances, formula for probe-mixing, measuring mode and master values for calibration.

Create test steps

Create test steps with functions like saving of measured values, calibration, Q-DAS export, correction value transfer to PLC, ...

Create display windows



For guiding the operator through the measuring sequence free designable display windows can be created.

Cmm

Software for metrology and statistical process control in manufacturing facilities. (ComGage Level 1 included in delivery)

Accessories

1) Mecc cover cap (protection class IP64) mounting standard VESA MIS-D 100C

2) Mecc with mounting rail set for fastening of IMBus modules

Mechanical Characteristics	
Case with base parts	Aluminium powder coated
Dimensions / Weight	(W x H x D) 203 x 183 x 109 mm / 1.2kg
Protection Class	Front side IP65, CEI / IEC 529
	Rear side IP64 with cover cap
Electrical characteristics	
External power supply	100 ...240 VAC, 12 Watt
Max. power consumption	7 Watt (without measuring modules)
Computer characteristics	
Display	8" TFT, max. resolution 800 x 600 (Adjustable angle of tilt -8.5° till 20°
Touch Screen	4-wire analogue-resistive
CPU	Xscale PXA320, 806 MHz
Memory	128 MB RAM, 1GB Flash
Operating system	Windows CE
Measuring software	ComGage
Connections	
Standard PC connections	2xUSB 2.0, 1xLAN, 1xRS232 (COM)
IMBus	EIA RS485, 64 clients
Measuring modules / Control modules	
See technical documentation of IMBus modules	
Environmental conditions	
Operation / Storage temp	41 ... 113°F / -4 ... +158°F