



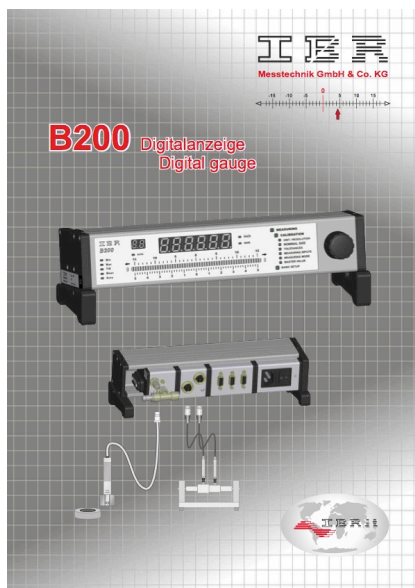
IBR Messtechnik GMBH & Co.KG

Innovative Measurement Technology Ltd are authorised resellers for the full range of products manufactured by IBR

IBR Products	
IBR B200 Digital Gauge	Modular measuring digital gauge for the connection of probes, sensors and gauges.
IBR C200 Column Gauge	Modular measuring column gauge for the connection of probes, sensors and gauges
IBR ComGage Software	Software for the metrology and statistical process control in production
IBR IBRit – rf1	Radio module series for wireless data transfer from gauges
IBR IMBus Modular	Modular measuring bus for the connection of probes, sensors and gauges
IBR MECC Compact Measuring Computer	Compact measuring computer (8" TFT) for the modular measuring bus IMBus
IBR MEIC Measuring Computer	Industrial measuring computer (17") for the modular measuring bus IMBus
SD1, CD43 & CD70	Sensor display, and computer displays
IMS measuring probe	New generation of inductive measuring probes



B200



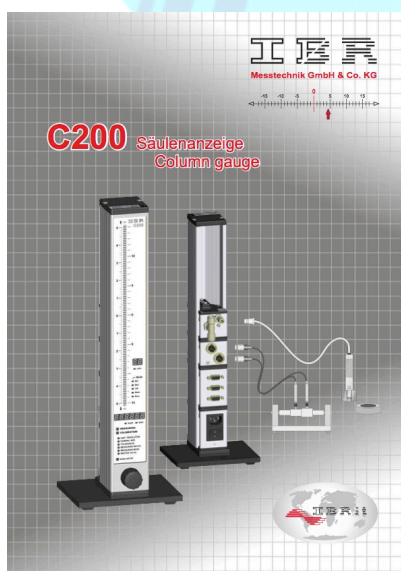
The digital gauge B200 is an electronic gauge for connecting 1 – 8 inductive and incremental probes, pneumatic gauge heads, sensors with analogue current or voltage outputs and gauges with digital interface.

The high flexibility concerning the connection of sensors and gauges is achieved due to the modular design and the usage of IMBus - modules

Features

- Modular construction
- Simple handling
- Universal measuring inputs
- Wireless reception of measuring values
- Comfortable display unit
- Highly sophisticated measuring programs
- Easy cascading

C200



The Column gauge C200 is an electronic gauge for connecting 1 – 8 inductive and incremental probes, pneumatic gauge heads, sensors with analogue current or voltage outputs and gauges with digital interfaces. The high flexibility concerning the connection of sensors and gauges is achieved due to the modular design and the usage of IMBus – modules.

Features

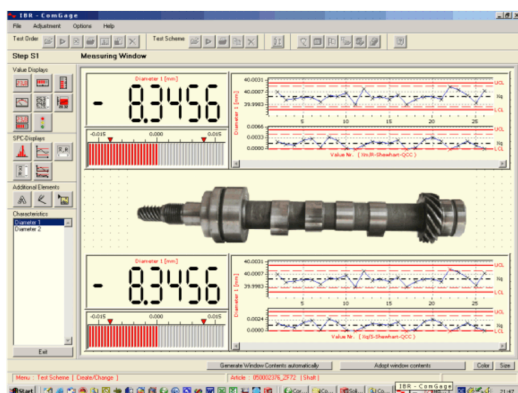
- Modular construction
- Simple handling
- Universal measuring inputs
- Wireless connection of gauges
- Comfortable display unit
- Highly sophisticated measuring programs
- Easy cascading

ComGage Software

ComGage is a software for metrology and statistical process control on manufacturing sites. The software is suitable for simple displaying of measured values up to complex measuring applications with control sequences, as well as for testing of components with several characteristics in small and large series. Additionally the software provides information for statistical process control by means of the statistical functions included.

Features

- Simple and easy handling
- Low cost and modular
- Universally usable for simple hand gauge stations, multi gauging fixtures and automatic measuring sequences
- Data collection from gauges, interfaces and by keyboard
- Universal mixing of measuring inputs as well as measuring programmes for run-out, roundness, flatness, coaxiality, ...
- Graphical surface for creating the display windows
- Simple measuring sequence control
- Online SPC - elements
- Control of digital outputs and reading of digital inputs
- Collection of reference information
- Printing of test reports and measured values in table form
- Converter for MS-Excel and QS-Stat - For Windows 95...Win 7 and CE
- European and Asiatic languages

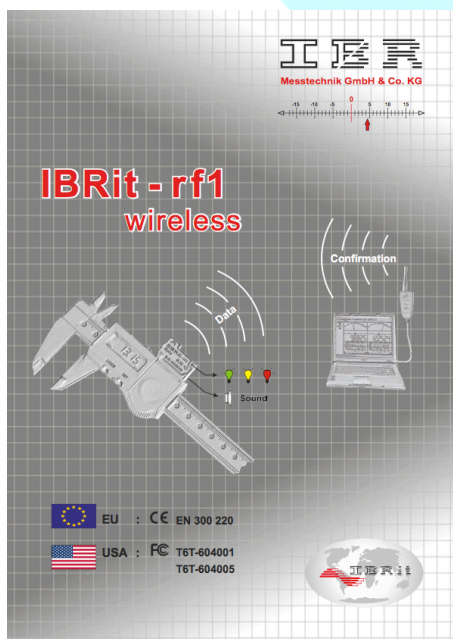


IBRit- rf1

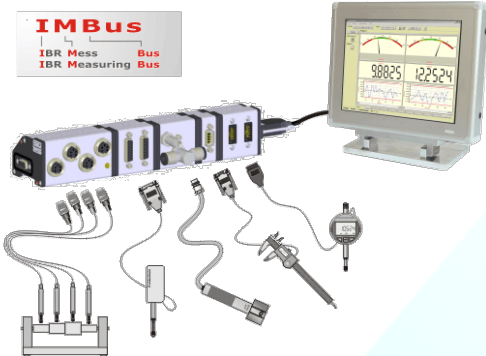
The IBRit-rf1 radio module series allows the wireless transmission of measured values from gauges to a PC. The miniature radio modules are a technology step in the interface technology and replace gauge connection cables and interface boxes.

Features

- Easy handling
- Full data security
- Low cost
- Connection of all gauges
- Trans. confirmation
- Compact size
- Large distance
- Long battery life time
- Efficient working
- CE & FCC approval
- Tolerance reply
- Individually programmable
- 500 gauges –
- 500 PC - Stations



IMBus



The IBR Measuring Bus [IMBus] is a technology step in metrology and interface technology. Powerful connection modules for all sensors and gauges as well as maximum flexibility for connection to computer interfaces characterize the IMBus - Series.

Features

- Connections for all inductive probe types Digital technology with linearisation possibility for inductive probes
- Connections for all incremental probes, linear scales and rotary encoders
- Connections for all pneumatic gauge heads
- Connections for all analogue signals (current, voltage, ...)
- Connections for all serial interfaces (universal program- mable Transfer- and Data format)
- Connections for all parallel interfaces (BCD, Binary, ...)
- Galvanic separated outputs and inputs (PLC compatible)
- Flexible PC- and PLC connection by USB, RS232, Ethernet, Wireless LAN, Profibus

Mecc



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

Features

- 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)

Meic



The measuring computer Meic 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. Usage of IMBus modules allows configuring the measuring computer individually for any application with 1...512 measuring inputs.

Features

- Compact and robust construction with solid
- Sealed metal case (IP54)
- No moving parts because of passive cooling and flash-memory
- 17" TFT-Display with high resolution (1280 x 1024)
- Adjustable display tilt angle
- Pluggable modules for all common inductive probes
- Incremental systems
- Pneumatic gauge heads
- Sensors with analogue voltage and current outputs and gauges with data output
- Profibus and PLC compatible input / output modules for control applications
- Standard PC-connections USB
- Ethernet
- PS/2 and RS232 (COM-Port)

CD43



The computer display CD43 is a small and powerful display unit for measuring applications, which cannot be simply solved by using dial gauges. A robust aluminium case as well as a high protection class allow usage in rough manufacturing environments. The new sensor interface ISi bus allows connection of the production process, the CD43 is shipped with the user friendly ComGage Level 1 software.

Features

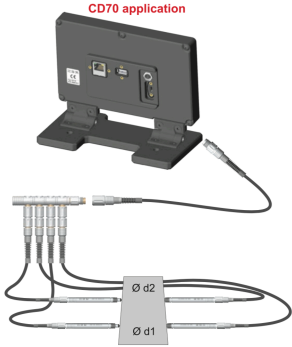
- Compact and robust construction with solid, sealed metal case (incl. connector caps for IP65), passive cooling and a 4.3" TFT-Display (480 x 272) with touch screen, adjustable angle of tilt.
- ISi sensor bus for connecting 1-60 IMS probes, sensors, hand/foot switches, tolerance adapters.
- USB host (mouse, keyboard, USB stick) and USB client (data exchange with PC)

CD70



The computer display CD70 is a compact and powerful display unit for measuring applications, which cannot be simply solved by classic gauges like e.g. column gauges and digital gauges. The robust aluminium case as well as high protection class allow usage in rough manufacturing environments. The new sensor interface Isi bus allows connection of up to 60 measuring probes, sensors, hand/foot switches. For fast and simple solving of measuring applications as well as for trend display of the production process, the CD70 is delivered with the user friendly software ComGage Level 1. An upgrade to ComGage Level 2 is possible.

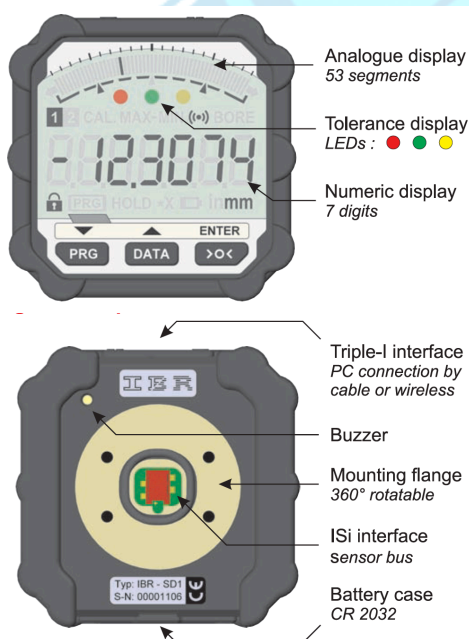
CD70 application



Features

- Compact and robust connection with solid, sealed metal case (incl. connector caps for IP64), passive cooling and 7.0" TFT-Display (800 x 480) with touch screen, adjustable angle of tilt)
- ISi sensor bus for connecting 1 – 60 IMS probes, sensors, hand/foot switches, tolerance adapters.
- USB host (mouse, keyboard, USB stick), USB client (data exchange with PC) and LAN connection.

SD1 Sensor Display



The sensor display unit SD1 was especially developed for industrial use. The robust aluminium case with rubber shock protection as well as a high protection class allow usage in rough manufacturing environments.

The display is rotatable, a numeric display shows the measuring values with high resolution and an analogue display with coloured LEDs presents clearly the tolerance status of the components.

The sensor display SD1 features a large scope of operation and can be configured freely for the particular application as required by a windows software. Thereby functions can be removed or activated and settings can be initialised.



IMS Measuring probe

IMS probe – a new generation of inductive measuring probes with integrated signal processing and digital interface for measuring output.

The new IMS measuring probes are based on the reliable clearance free ball bearings and the robust inductive measuring principle. But the sensible and sensitive analogue measuring signals are no longer transferred out of the case of the measuring probe vis cables and then measured externally by electronics, instead they are processed and digitised directly inside the IMS measuring probes.

An innovative measuring principle and highly integrated electronics make possible this milestone of a new generation IMS measuring probes.

Capability of connection for IMS probes

