



Messtechnik GmbH & Co. KG



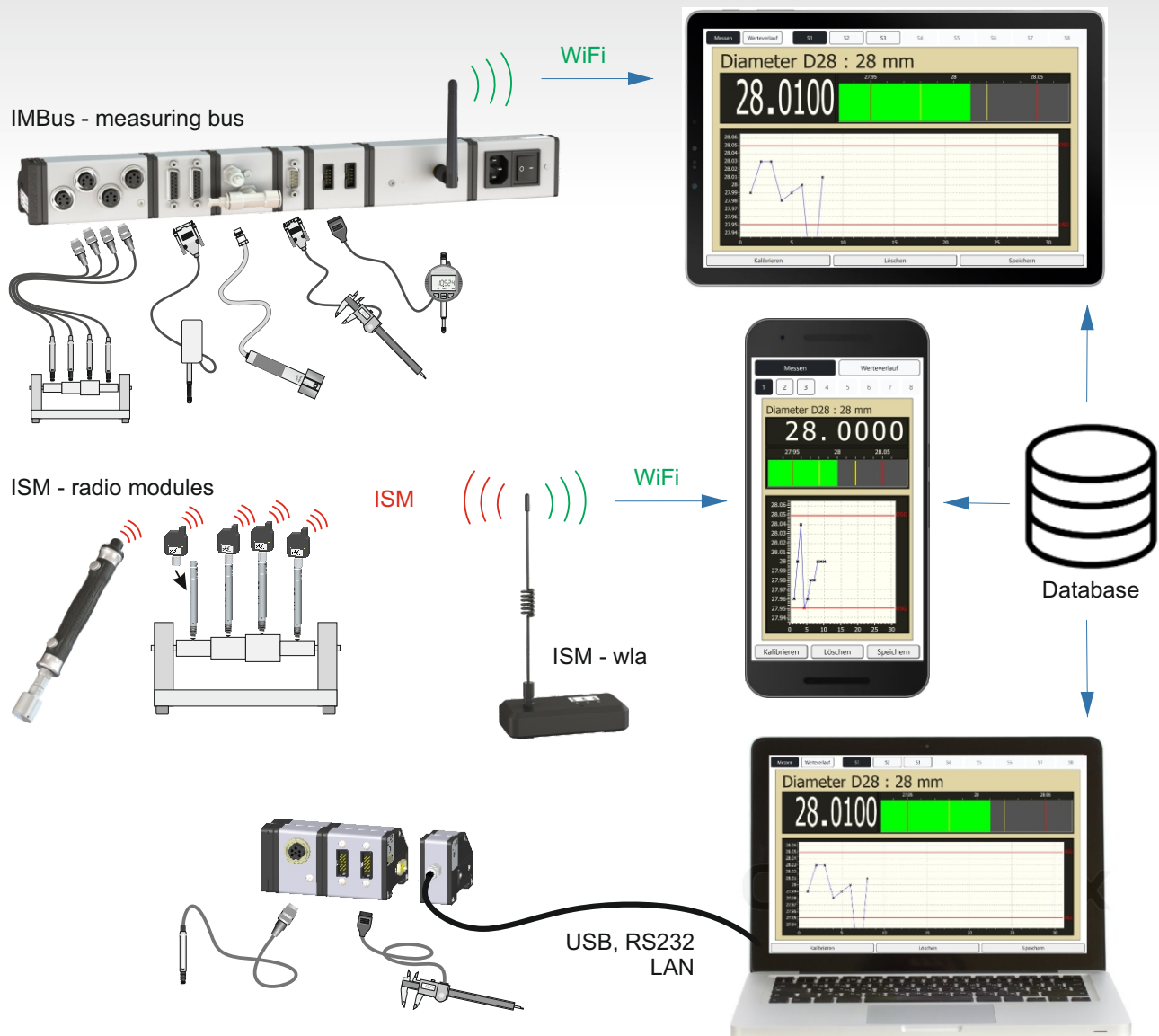
WebGage Light software



WebGage Light

WebGage Light allows to collect, to display, to store and to evaluate measured data with each PC, notebook, tablet, smartphone, ... in combination with a web browser.

The gauges and sensors can be connected therefore either via the IMBus or via the ISM radio modules.



Advantages of WebGage Light

- Installation of WebGage Light and the database on a central server.
In this way, the complete maintenance of the software and the complete data management is centralised on the server.
- The measuring application can be opened via a browser at the measuring stations. The visualisation, calculation, ... of the measuring values takes directly place in the browser.
- Each internet-capable device with browser like e.g. a PC / notebook with Windows, macOS or Linux as well as a tablet / smartphone with Android or iOS can be used at a measuring station for WebGage Light.
- No software has to be installed at the measuring stations.
- Employees know website operation from the daily usage with e.g. smartphones ...

Supported IT infrastructure

Supported servers

- Intranet server of the company (Windows, Linux)
- Webserver in the Internet with PHP / MySQL support
- IBR WLAN modules (ISM-wla / IMB-wla) as server for 10 measuring stations with 20 GB database
- Local installation of WebGage, database and browser on a Windows PC (standalone station)

Requirements for the measuring stations

- Internet-capable device (PC, notebook, smartphone, tablet) with web browser
- Connection of IMBus & ISM radio via LAN & WLAN and under Windows via USB

WebGage Light : Creating a measuring program

Step 1 : Create measuring program

| | Characteristic 1 | Characteristic 2 |
|-------------------|------------------|------------------|
| Name | Diameter D28 | Diameter D44 |
| Unit | mm | mm |
| Resolution | 0.0001 | 0.0001 |
| Nominal | 28.0000 | 44.0000 |
| USL | 0.0500 | 0.0800 |
| UCL | 0.0200 | 0.0300 |
| LCL | -0.0200 | -0.0300 |
| LSL | -0.0500 | -0.0800 |
| Test step | S1 | S2 |

Step 2 : Create characteristics

Step 3 : Basic settings

WebGage Light : Figures for programming and measuring mode

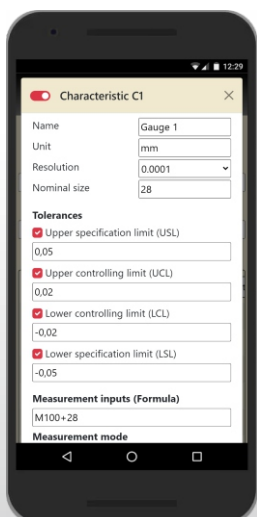


Figure 1 :
Programming of a
characteristic

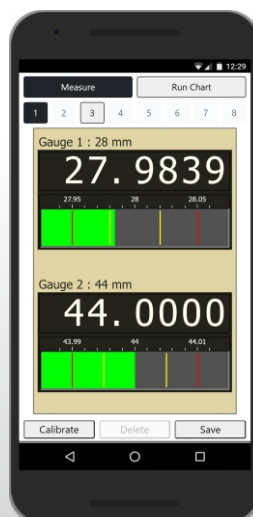


Figure 2 :
Simultaneous
measurement of
2 characteristics



Figure 3 :
Measurement of
a characteristic
with SPC display

WebGage Light : Features

Compatibility

| | |
|---|---|
| Supported hardware for measuring value collection | IMBus via WLAN, LAN, USB, RS232 / ISM via WLAN, USB |
| Supported servers | own server (Win / Linux), webserver, IMB-wla or ISM-wla |
| Requirements for the server | PHP and MySQL / MariaDB support |
| Supported stationary computers | PCs und notebooks with Windows, Linux, ... |
| Supported mobile devices | tablets, smartphones with Android, iOS, ... |
| Supported browsers | Chrome, Edge, Safari, Firefox, Opera, ... |

Measuring data

| | |
|-------------------------------|---|
| Storage of the measuring data | in a MySQL database on a server, on IMB-wla or on ISM-wla |
| Export of measuring data | CSV, JSON, QDAS (DFQ), ComGage test order |
| Analysis of measuring data | Value table, run chart |

Measuring programs

| | |
|--|---|
| Number of characteristics | 8 |
| Nominal value / tolerances / controlling limits | Yes |
| Probe mixing | Formula editor (with trigonometric functions) |
| Dynamic measurement | Min, Max, TIR, mean value |
| Zero adjustment with one master | Yes |
| Gauge calibration with two masters | Yes |
| Number of measuring steps | 8 |
| Assignment of characteristics to the measuring steps | Yes |
| Number of characteristics per measuring step | Adjustable / 1...8 |
| Changing between the measuring steps | Manual / automatic on measuring value change |

Test version

| | |
|---------------------------------|-------------------------------------|
| Limitations of the test version | 2 characteristics |
| Pre-installed on | IMB-wla, ISM-wla or www.WebGage.app |

Extended function of WebGage Light

The WebGage Light software also allows the programming of gauges (like e.g. SD1) by ISM radio module via the browser.

The screenshot displays the 'Gauge configuration' screen for 'SD1-Standard'. At the top, a status bar indicates 'Gauge configuration loaded from : SD1-Standard'. Below this, a 'Filename' field contains 'SD1-Standard' and a 'Description' field contains 'Normale Konfiguration für SD1-Geräte.'. The configuration is organized into sections, each with a 'Prog in Gauge' toggle switch and a 'mm' unit label. The sections are: 'Unit' (set to 'mm'), 'Resolution' (set to '0.0001'), 'Measuring direction' (set to 'Standard'), 'Preset' (set to 'On' with a '0' value), and '2-Master calibration' (set to 'Off' with 'Master 1' at '0.0001' and 'Master 2' at '-0.0001'). Navigation buttons 'Back' and 'Save' are visible at the top of the form.



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