



Messtechnik GmbH & Co. KG



WebGage Light software

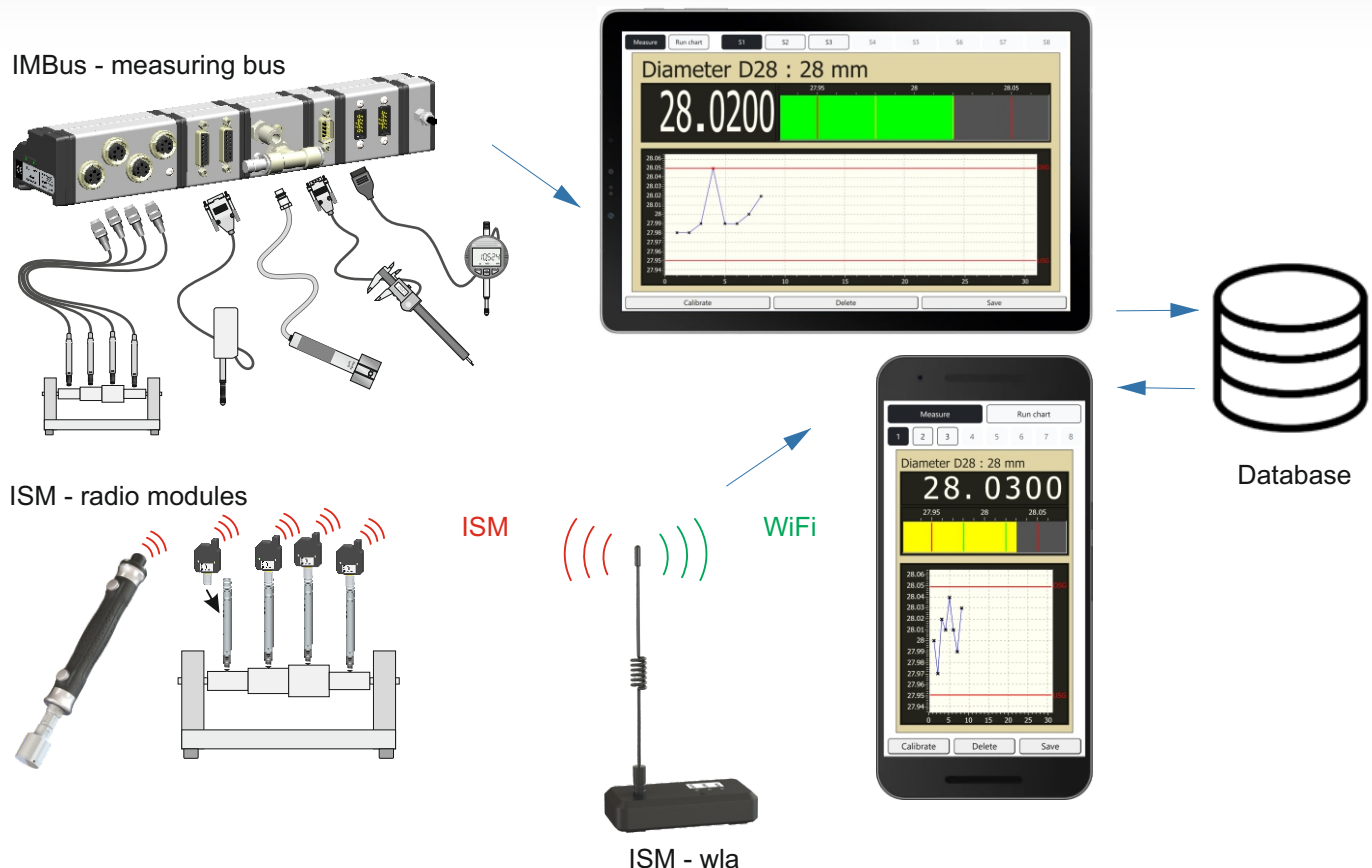


WebGage Light

The browser application WebGage Light allows the collection of measured data and the solving of measuring applications.

WebGage Light is usable on each Smartphone or TabletPC (iOS, Android, ...) as well as on each stationary computer (Windows, Linux, ...) with a web browser.

WebGage Light allows the connection of an IMBus, as well as the connection of ISM radio modules.



	Testversion	WebGage Light	Server Connection
Storage of test schemes and measuring data	On ISM-wla / IMB-wla gateway	On ISM-wla / IMB-wla gateway	In central MySQL database
Installation	- On ISM-wla - On IMB-wla	- On ISM-wla - On IMB-wla	- On ISM-wla - On IMB-wla
User management	Via user accounts on gateway	Via user accounts on gateway	Via user accounts on the server
Characteristics per test scheme	2	8	8
Range of functions	- Formulas, dynamic mea., auto recognition - Saving / deleting measuring values	- Formulas, dynamic mea., auto recognition - Saving / deleting measuring values	- Formulas, dynamic mea., auto recognition - Saving / deleting measuring values
Data export	- CSV - QDAS	- CSV - QDAS	- CSV - QDAS
Supported hardware	- IMB-wla - ISM-wla	- IMB-wla - ISM-wla	- IMB-wla - ISM-wla

WebGage Light : Creating a measuring program

Step 1 : Create measuring program

Measuring program configuration

Article number: Control-2023

Article name: Example

Name	Unit	Resolution	Nominal	USL	UCL	LCL	LSL	Test step
Diameter D28	mm	0.0001	28.0000	0.0500	0.0200	-0.0200	-0.0500	S1

Test sequence:

- ☐ Automatic switching by value change
- ☐ Fix test sequence
- ☒ Free test step selection

Basic settings

Save

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Step 2 : Create characteristics

Characteristic C1

Name: Diameter D28

Unit: mm

Resolution: 0.0001

Nominal: 28

Tolerances:

- ☒ Upper specification limit (USL): 0,05
- ☒ Upper controlling limit (UCL): 0,02
- ☒ Lower controlling limit (LCL): -0,02
- ☒ Lower specification limit (LSL): -0,05

Measurement inputs (Formula): M101+28

Measurement mode: Static + triggered

Master values:

- ☒ 1. Master value: 28,001
- ☐ 2. Master value: 0

Test step: Step S1

Save Cancel

Step 3 : Basic settings

Basic settings

Bar graph:

- Starting point: Left
- Scale: Absolute

Run chart:

- Number of values: 30

Test step:

- Threshold for aut. switching: 10 μm

Save Cancel

WebGage Light : Figures programming and measuring mode

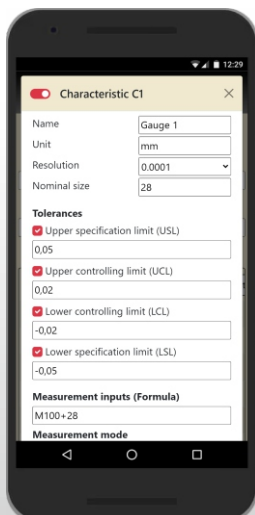


Figure 1 :
Programming of a characteristic

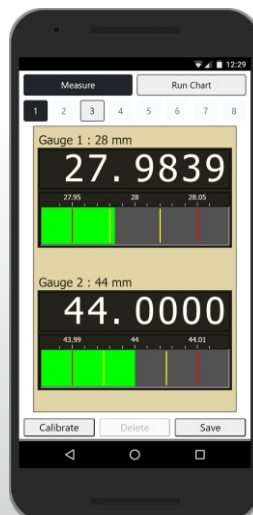


Figure 2 :
Simultaneous measurement of 2 characteristics



Figure 3 :
Measurement of a characteristic with SPC display

Gauge programming

Besides the data collection, the WebGage Light Software also allows the programming of gauges (like e.g. SD1) by ISM radio module via the browser.

The screenshot shows the 'Gauge configuration loaded from : SD1-Standard' screen. It includes a 'Back' button and a 'Save' icon. The configuration fields are as follows:

Field	Value
Filename	SD1-Standard
Description	Normale Konfiguration für SD1-Geräte.
Unit	mm
Resolution	0.0001
Measuring direction	Standard
Preset	On
2-Master calibration	Off
Master 1	0.0001 mm
Master 2	-0.0001 mm

The 'Selecting the resolution' dialog box provides information on available resolutions based on the selected unit. It also includes a diagram showing the programming sequence for the gauge.

Depending on the selected unit, different resolutions are available :

- Unit mm : resolution 0.0001 or 0.001 or 0.01
- Unit Inch : resolution 0.000005 or 0.00005 or 0.0005

Programming in the gauge :

The diagram illustrates the sequence of operations: **rESOL.** (Resolution) is programmed first, followed by the **DATA** value. For example, for mm resolution, the sequence is 0.0001, then 0.0001, then 0.0001, then 0.0001.



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