Field calibration system for tipping bucket rain gauges
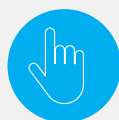
The system is used for semi-automatic calibration of tipping bucket rain gauges. The accurate time and the number of tips are fully counted via supplied electronics.

Design based on experience from ISO / IEC 17025 accredited laboratory
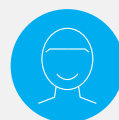
Complete calibration system including calibration software and database

Very easy to use and labor-saving automatic calibration with IMS4 CalibLab

**On-line calculation of measurement uncertainty**

Customized solution per individual needs and budget

Portable device enables testing of field testing of tipping bucket rain gauges. During the application of the system the calibrated rain gauge stays in place and is out of order only for the time necessary for the calibration to run.

Calibration software IMS4 CalibLab

The software guides the user the through calibration setup in several steps. The software can read serial number from tipping bucket rain gauge. Graphic user interface (GUI) allows the user to configure a new type of sensor. A list of setpoints can be edited, saved or loaded. After the process goes through all setpoints, the results are stored in a database. You can generate certificate by one click. The certificate is generated from a template. You can freely edit the template to fit your needs.

The database of calibrations holds the history of calibrations from whole calibration laboratory at one place. You can browse it by quantity, year, sensor type, serial number etc. Looking for calibration history of a certain instrument is a brief. The built-in database browser allows online tabular and graphical view of multiple certificates. The software supports export to .csv, .odt, .xml and .pdf formats. Whole database can be backed-up or restored by simple click of a button. There is also provision of automatic periodic back-up.
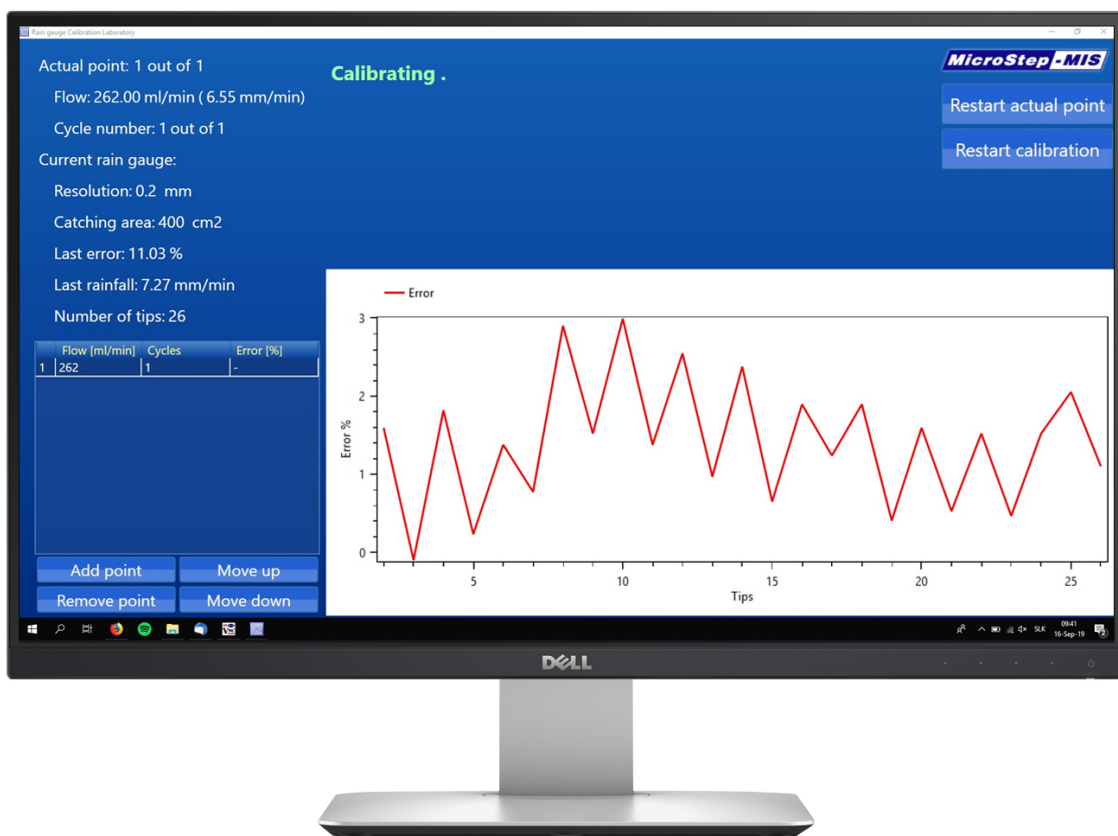
Parameters

Cylinder volume	500 ml
Nozzle intensity*	15 ml/min 40 ml/min 115 ml/min 250 ml/min 385 ml/min 700 ml/min
	*Custom intensity available upon request

Mechanical parameters of the transport case

Dimensions	605 x 370 x 145 mm
Weight	4500 g

All specifications are subject to change without prior notice.
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