

## FL-ProfiCheck Advanced

Mobile Moisture Metering Unit



### Usage and applications

Our mobile measuring unit evaluates the temperature and moisture of bulk materials of all kinds. It is very user-friendly due to its ease of operation and the integration of wireless technology connection to PC/Laptop. It has applications in almost every process situation and allows convenient evaluation, quality control and monitoring during every phase of processing - from evaluating the condition of materials to be processed to the finished product. Measured value displaying and parameter setting via mobile devices with ANDROID operating system by free download app.

The operation via APP on mobile devices enables the separation of the measuring instrument and the control unit. The high computing power of the PROFI CHECK ADVANCED is thus fully available for measuring signal processing, which allows the precise execution of complex measuring procedures.

Through free software updates the user benefits from continuous further development.

## Special Features

- ▶ Accurate results through reliable microwave technology in aggregates and concrete
- ▶ Exact results already during the first measuring process by intelligent evaluation algorithms
- ▶ No material pre-compaction of the sample required
- ▶ Automatic start enables comfortable measuring operation when inserting into material
- ▶ Additional recording of material temperature
- ▶ Shortest measuring times (approx. 5 sec.)
- ▶ Sturdy construction
- ▶ Automated calibration and unlimited calibration curves
- ▶ Convenient pre-calibrated curves embedded into the system memory
- ▶ Measurements can be displayed as moisture percentage or W/C-ratio
- ▶ Results available as process moisture (%), W/C factor or water content (L/m<sup>3</sup>)
- ▶ Protocol of measured results is stored in EXCEL format for easy sharing
- ▶ Detection of sensor soilings

## (Technical Data)

<b>Measuring Principle</b>	Mikrowelle / 433MHz
<b>Measured Signal Transmittance</b>	WLAN / APP (in UDP-Protokoll)
<b>Accuracy</b>	Depending on measured range and material (approx. ±0,3%)
<b>Temperature Range</b>	0-80°C / 32-176°F
<b>Cover</b>	Industrial grade stainless steel V2A / die-cast cover / Sensor face is special grade ceramic / IP 67
<b>Weight</b>	1,6 kg
<b>Dimensions</b>	Length: 345mm, Diameter of measuring cylinder: 30mm, electronic cover: Length: 110mm, Width: 97mm, Depth: 53mm
<b>Operating Voltage / Power Consumption</b>	3,7V/DC via battery / 0,08 Watt
<b>Operating time per battery charge</b>	Up to 8 hrs continuous operation
<b>Operating System</b>	Windows -7, -8, -10 or Android