

## FL-ProfiCheck

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 or USB 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 for evaluation of the finished product. Measured value displaying and parameter setting via mobile devices with

### Special Features

- ▶ Accurate results through reliable microwave technology
- ▶ 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 (%), W/C-ratio, water content (L/m<sup>3</sup>) or dry substance (TS)
- ▶ Protocol of measured results is stored in EXCEL format for easy sharing
- ▶ Detection of sensor soiling

## (Technical Data)

<b>Measuring Principle</b>	Microwave / 433 MHz
<b>Measuring Transmission Technology</b>	depending to measuring range and material (ca. $\pm 0,3\%$ )
<b>Accuracy</b>	depending to measuring range and material (ca. $\pm 0,3\%$ )
<b>Temperature Range</b>	+0 ...+ 80 °C / + 32 ...+ 176 F
<b>Cover</b>	industrial grade stainless steel V2A / Sensor face is special grade ceramic
<b>Weight</b>	1,9kg / 4,18lbs
<b>Dimensions</b>	Length (incl. handle): 555mm, Diameter of measuring head: 80mm, electronic cover: Length: 145mm, Width: 140mm, Depth: 60mm
<b>Operating Voltage / Power Consumption</b>	3,7V/DC for charging unit / 0,08 Watt
<b>Operating time per battery charge</b>	Approx. 48 h continuous operation
<b>Operating System</b>	Windows -7, -8, -10 or Android