

## 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   |