

## Technical Data

### Mains Power Supply

#### Battery

- Type 2 Cell – 2600 mAh Li-Ion
- Voltage 3,7 V
- Charge time 6 hours

#### AC Adapter

- Input voltage 90 – 264 V AC, 50/60 Hz  
127- 370 VDC
- Output voltage 12 V DC
- Output current 0,5 A

#### Measurement

- Cell voltage measuring range: 0 – 30 V DC

Measuring range	Typical accuracy	Resolution
±2,35 V DC	± (0,05% rdg + 0,05% FS)	1 mV
±7 V DC	± (0,05% rdg + 0,05% FS)	1 mV
±30 V DC	± (0,05% rdg + 0,05% FS)	1 mV

- Temperature:  
-50 °C - +260 °C / -58 °F - +500 °F

#### Display

- Type: TFT LCD 3.1 in
- Viewing Area:  
43,2 mm x 57,6 mm / 1.8 in x 2.3 in
- Resolution: 320 x 240 pixels

#### Communication

- Infrared: IRDA for Density Meter
- USB: Device to PC connection
- RFID: Tags for cell recognition

#### Memory

- Internal: 2 GB SD Card

#### Real time clock

- Precision: ±5 seconds per month
- Calendar: 100 year with leap year detection
- Time retention: 10+ years (battery removed)

#### Environment conditions

- Temperature:  
-10 °C - +45 °C / 14 °F - +113 °F
- Maximum relative humidity 95 % for temperatures up to 31 °C, decreasing linearly to 40 % relative humidity at 55 °C

#### Dimensions and Weight

- Dimensions (L x W x D):  
253 mm x 116/89/96 mm x 46/36 mm,  
10 in x 4.6/3.5/3.8 in x 1.8/1.4 in,
- Weight: 0,6 kg / 1.3 lbs,

#### Warranty

- Three years

#### Applicable Standards

- Installation/overvoltage: category II
- Pollution: degree 2
- Safety: LVD 2006/95/EC (CE Confirm)  
EN61010-1
- EMC: Directive 2004/108/EC (CE Confirm)  
Standard EN 61326-1:2006
- CAN/CSA-C22.2 No. 61010-1, 2<sup>nd</sup> edition,  
including Amendment1