

## Technical specifications of Meteobot Pro sensors

| Sensor                            | Resolution                                                       | Range                                   | Accuracy              |
|-----------------------------------|------------------------------------------------------------------|-----------------------------------------|-----------------------|
| Air temperature                   | 0,015 °C                                                         | -40 °C to +125 °C                       | ± 0,3 °C              |
| Relative air humidity             | 0,01 %                                                           | 0 – 100 %                               | ± 2 %                 |
| Barometric pressure               | 1 hPa                                                            | 500 - 1100 hPa                          | ± 1 hPa               |
| Wind speed                        | 0,4 m/s                                                          | 0,9 - 40 m/s                            | ± 0,5 m/s             |
| Wind speed and direction (option) | 0,25 m/s                                                         | 1 – 89 m/s                              | ± 1 m/s               |
|                                   | 22,5°                                                            | 0° - 360°                               | ± 3°                  |
| Rain quantity                     | 0,25 l/m <sup>2</sup>                                            | 0,25 l/m <sup>2</sup> - ∞<br>above 0 °C | 0,25 l/m <sup>2</sup> |
| Rain intensity                    | 0,25 l/h                                                         | 0,25 - 180 l/h                          | 0,25 l/h              |
| Leaf wetness (option)             | 2,80 %                                                           | 0 – 100 %                               | ± 1,4 %               |
| Solar radiation (option)          | 10 W                                                             | 1 - 2000 W/m <sup>-2</sup>              | ± 1 %                 |
| Soil moisture                     | 0,10%                                                            | 0 - 100%                                | 0,4 %                 |
| Soil temperature                  | 0,1 °C                                                           | -55 to +125 °C                          | ± 0,5 °C              |
| Solar (photovoltaic) panel        | 1 V                                                              | 1 - 21 V                                | ± 0,4 V               |
| Battery                           | Operation range: -28 to +50 °C<br>Operation voltage: 11 - 14,4 V |                                         |                       |