

The **fidbox® V6** developed and made by floorprotector, provides you with reliable information about the environmental conditions of your hardwood flooring. The **fidbox® V6** is installed under the flooring and measures, from below, temperature and humidity fluctuations in the floor construction and subfloor. The saved data can be wirelessly read out at any time from the **fidbox® V6** without having to remove it of the flooring. The readings of the stored data can be done by the fidbox® V6 reader (see data sheet fidbox® V6 reader).



### Specifications

|                               |                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                          | active                                                                                                                                                                                                            |
| Frequency                     | 2.4 GHz ISM-Band                                                                                                                                                                                                  |
| Protocol                      | Bluetooth Low Energy                                                                                                                                                                                              |
| Read Range                    | in open surroundings<br>in installed conditions                                                                                                                                                                   |
|                               | up to 10 m<br>up to 6 m                                                                                                                                                                                           |
| Dimensions                    | 95.5 x 52.5 x 7 mm                                                                                                                                                                                                |
| Weight                        | 30 g                                                                                                                                                                                                              |
| Battery life expectancy*      | up to 6 years (with 8hr measuring interval)                                                                                                                                                                       |
| Memory storage capacity       | up to 1.048.592 records                                                                                                                                                                                           |
| Measurement interval          | freely configurable from 1 minute to 7 days (preset at 8 hr)                                                                                                                                                      |
| Temperature measurement range | -20°C up to +65°C                                                                                                                                                                                                 |
| Battery**                     | Ultralife Thin Cell 3-Volt Lithium Cell                                                                                                                                                                           |
| Storage temperature           | at room temperature dry and frost-free (+17°C up to +23°C)                                                                                                                                                        |
| Operating temperature         | 0°C up to 55°C                                                                                                                                                                                                    |
| Certification                 | EN 60950 / IEC 60950, ETSI EN 300 328 V1.8.1, EN 301 489-1 V1.9.2, EN 301 489-17 V2.2.1, EN 61000-4-2: 2009, EN 61000-4-3: 2006 + A1: 2008 + A2: 2010, EN 62311, 1999/519/EC<br>FCC-ID 2ADQTV6<br>IC-ID 12568A-V6 |

### Specifications Sensors\*

|             |                                          |                                                        |
|-------------|------------------------------------------|--------------------------------------------------------|
| Humidity    | Precision<br>Resolution<br>Repeatability | up to +/- 2% rF<br>0,04% rF<br>up to +/- 0,1% rF       |
| Temperature | Precision<br>Resolution<br>Repeatability | up to +/- 0,3°C bei +25°C<br>0,01°C<br>up to +/- 0,1°C |

\* depending on the measurement interval settings, measurement frequency and storage conditions

\*\* the battery does not contain hazardous voltage and/or energy level.