



Notes

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KNX Soil Moisture Sensor System

S8 - Physical and Chemical Measurement

SK80-BFT-WMT
SK80-BFTLFT-AFF-WMT



SK80-BFTLFT | BFT

Soil Moisture & Temperature
Air Humidity & Temperature

the root zone, effectively mimicking how plants sense moisture. Based on these readings, irrigation can be controlled precisely – for strong growth and sustainable water use.

The latest generation of our soil moisture sensor features an integrated display – providing more transparency and control directly on site:

Key Features

- **Display of current soil water tension** (kPa) on the device
- **Irrigation control** and easy installation
- Robust, weatherproof **IP65 housing** for outdoor applications

Smart Soil Moisture Monitoring

Healthy plants need just the right amount of water – not too much and not too little.

Our KNX Soil Moisture Sensor measures the plant-relevant soil water tension (kPa) directly in

KNX meets Watermark® Technology

The sensor is based on proven Watermark® technology, which measures soil water tension – the force plants need to extract water from the soil. This method provides particularly meaningful data and enables irrigation control that truly reflects the needs of the plants. The result is a system that not only saves water but also respects the natural balance of the soil.

Typical Applications

- **Gardens and vegetable beds:** Demand-based watering for healthy plants and abundant harvests
- **Public green spaces and parks:** Sustainable maintenance of large areas with minimal water consumption
- **Horticulture and agriculture:** Stable growing conditions through precise, sensor-based control

SK80-BFTLFT



Soil Moisture
Soil Temperature
Air Humidity
Air Temperature

SK80-BFTLFT-AFF-WMT
Item no: 30805121

SK80-BFT



Soil Moisture
Soil Temperature

SK80-BFT-WMT
Item no: 30805101

