

Description	Order No.	Technical Data		
<p>Weather Station Compact WSC11</p> <p>The Weather Station Compact WSC11 is designed for the use in</p> <ul style="list-style-type: none"> • Building automation (such as. shading control) <p>The interface to the instrument is digital and consists of an</p> <ul style="list-style-type: none"> • RS485 interface in half-duplex-mode <p>Together with the ID-based communication the interface allows the operation of the weather station in a bus</p> <p>The instrument has a GPS receiver. It serves for determining the position and time. Herefrom, the sun position is calculated additionally</p> <p>The following parameters can be measured:</p> <ul style="list-style-type: none"> • Wind speed • Wind direction • Brightness (in the North, East, South, West) • Twilight • Global radiation • Precipitation • Temperature • Relative humidity • Air pressure • Time / Date • Geostationary data <ul style="list-style-type: none"> -Longitude -Latitude • Sun position <ul style="list-style-type: none"> -Elevation -Azimuth 	4.9056.00.000	<p>Wind Velocity</p> <p>Measuring range 0 ... 40 m/s Accuracy ±5% of meas. range</p> <p>Wind Direction</p> <p>Measuring range 0 ... 360° Accuracy ±10°</p> <p>Precipitation</p> <p>Measuring range 1 / 0 (yes/no)</p> <p>Brightness</p> <p>Measuring range 0 ... 150 kLux Accuracy ±3% of meas. range</p> <p>Twilight</p> <p>Measuring range 0 ... 500 Lux Accuracy ±10 Lux</p> <p>Global radiation</p> <p>Measuring range 0 ... 1300 W/m² Accuracy ±10% of meas. range</p> <p>Air pressure</p> <p>Measuring range 300 ... 1100 hPa Accuracy ±0.5 hPa @ 20 °C</p> <p>Temperature</p> <p>Measuring range -30 ... +60 °C Accuracy ±1 °C @ -5 °C ... +25 °C, >2m/s)</p> <p>Air humidity</p> <p>Measuring range 0 ... 100% rel. h. Accuracy ±5% rel. h. @ 0 ... 40 °C</p> <p>Output serial</p> <p>Type RS 485 Baud rate 1200 ... 115200 Operating mode Half-duplex Protocol ASCII / MODBUS RTU</p> <p>General</p> <p>Operating voltage 18 ... 30 VDC or 18 ... 28 VAC 50/60 Hz Power consumption <300 mA @ 24 VDC Ambient temperature -30 °C ... +60 °C Connection connector Mounting On tube (max. Ø 25 mm) Weight 0.2 Kg Dimension Ø130 x 70 mm</p>		
<p>Mounting angle</p> <p>Serves for the lateral mounting of the Weather Station Compact WSC11 at a vertical surface</p>	509276	<p>Length 320 mm width 60 mm Material Stainless steel 1.4301</p>		
<p>Cable</p> <p>Pre-assembled 5-pole connecting cable for Weather Station Compact WSC11. Equipped with:</p> <ul style="list-style-type: none"> • Plug at the instrument side, • Open cable end receiving 	509279	<p>Length 5 m</p>		
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