



**Added**

# Value

*Smart Sensors from Lufft offer an additional input to connect external sensors. The WSxx master sensor serves as the “UMB converter” of these external measurements.*

*Whether you need an additional temperature measurement, a tipping bucket or a leaf wetness sensor: “all-in-one sensor solutions” for agrometeorological and meteorological applications or for PV monitoring.*

# Lufft WT1 – Temperature Sensor



Lufft WT1 - Temperature Sensor			Bestell-Nr.
<b>WT1 - Temperature Sensor</b>			<b>8160.WT1</b>
<b>Technical Data</b>	Dimensions	Ø 30mm, height 8mm	
	Weight (incl. cable)	Approx. 300g	
	Measuring range	-40 ... +80 °C	
	Resolution	0.25°C	
	Accuracy	± 1°C	
	Protection type	IP68	
	Op. temperature range	-40 ... +80°C	
	Cable length	10m	

Each sensor of the WS family has an extra input channel to connect a remote temperature sensor.

The temperature sensor measures the surface temperature, e. g. the surface temperature of a solar module.

This remote temperature sensor can be combined with any sensor of the WS family.

A typical application is to combination with WS301-UMB or WS501-UMB as a reference sensor how efficient a solar system works.

# Lufft WLW100 - Leaf Wetness Sensor



Lufft WLW100 - Leaf Wetness Sensor			Bestell-Nr.
<b>WLW100 - Leaf Wetness Sensor</b>			<b>8358.10</b>
<b>Technical Data</b>	Dimensions	112mm x 58mm x 1mm	
	Weight (incl. cable)	Approx. 150g	
	Measuring range	0...1500mV	
	Principle	Capacitive	
	Op. temperature range	-20 ... +50 °C	
	Cable length	5m	

The leaf wetness sensor measures, whether a leaf is dry or wet.

This remote sensor can be combined with the WS601-UMB and WS401-UMB. The WS601-UMB and WS401-UMB with external leaf wetness sensor has all sensor informations for professional agricultural weather applications.

The WS601-UMB and WS401-UMB has an extra input channel to connect a remote leaf wetness sensor.