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.
WT1 - Temperature Sensor			**8160.WT1**
Technical Data	Dimensions	Ø 30mm, Höhe 8mm	
	Weight (incl. cable)	approx. 300 g	
	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, eg. 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.
WLW100 - Leaf Wetness Sensor			**8358.10**
Technical Data	Dimensions	112mm x 58mm x 1mm	
	Weight (incl. cable)	approx. 150 g	
	Measuring range	0...1500mV	
	Principle	Capacitive	
	Op. temperature range	−20…+50°C	
	Cable length	5m	

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

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.