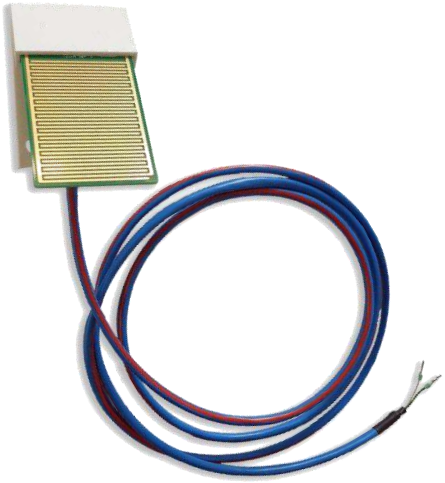
Your is the environment Your is the knowledge



Mod. BF

Leaf Wetness Sensor

NESA Srl
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Highlighted specs

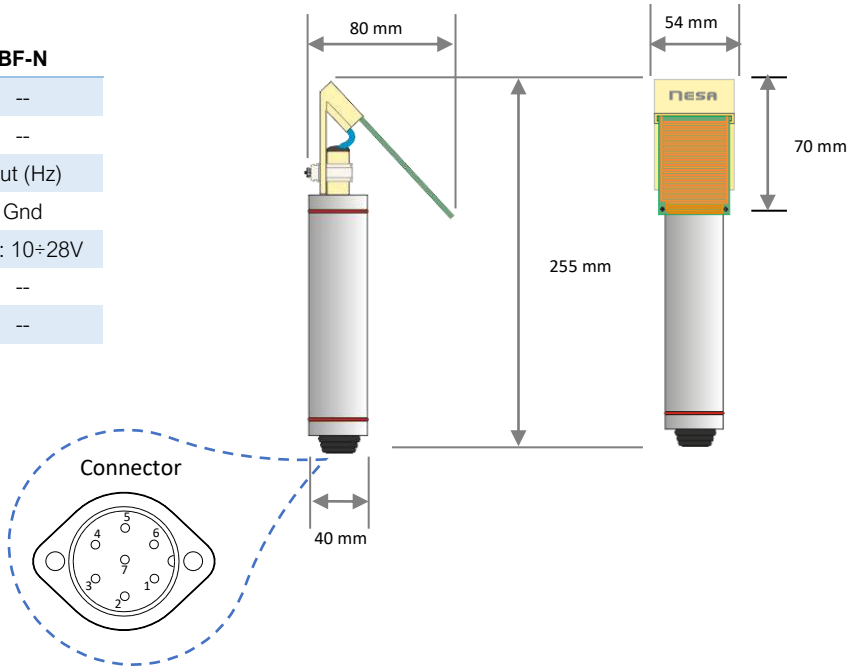
- High precision leaf wetness sensor
- Easy to install and with light weight
- WMO standards compliant
- Easy to clean up and maintain
- According to CE norms

The leaf wetness sensor can **determine the degree of leaf wetness**, **the duration of a certain state** (wet or dry) **and detects whether there are precipitations or condensation.** Depending on the degree of humidity, the sensor **detects a change in electrical resistance** on the elements of the grid and the output signal can be acquired by a data logger (**standard output 0÷2 Vdc, or normalized 4÷20 mA or digital RS485/Modbus**).

Area	28cm^2
Operating range	Dry / Wet
Time constant	2 sec (avarage time)
Working temperature	-30 ÷ 60°C
Standard signal output	Frequency (max 2000Hz), 0÷2Vdc (0Vdc = dry; 2.0Vdc = wet), 4÷20mA or RS485/Modbus
Protections	Polarity reverse and transient
Made of	Glass reinforced to protect the gold foil
Power supply and consumption	10÷30 Vdc; 25µA@12Vdc (typical);
Weight	340g
Dimensions detector surface	50x70 mm (LxH) (max 54x70 mm)

Size and connections

Pin	BF-A	BF-B	BF-C	BF-N
1	--	--	--	--
2	VOut +	IOut +	RS485 A	--
3	VOut -	IOut -	RS485 B	Out (Hz)
4	Gnd	Gnd	Gnd	Gnd
5	Vdc:10÷28V	Vdc:10÷28V	Vdc:10÷28V	Vdc: 10÷28V
6	--	--	--	--
7	--	--	--	--



Order code

Sensor	Leaf Wetness sensor	BF			
	Leaf Wetness sensor without body	BF.QUIDO			
Output	0÷2Vdc		A		
	4÷20mA		B		
	RS485 / Modbus (MCS option)		C		
Accessories	CS05 – Cable 5m sensor-datalogger			05	
	CS10 – Cable 10m sensor-datalogger			10	
	CSxx – Cable xx* m length, sensor-datalogger – to be specified at order			xx	
	SSU – Sensor support L=700-750mm				SSU
**specify the length for no standard measures*	*example of order code*	BF	B	10	SSU

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