

Technical Data



Preassembled Systems > Data Detecting



CLIMATE

Code	Name	Description	Compatibility	Connection	
FSM025	Davis Vantage Pro weather station	Temperature/humidity; rain gauge; anemometer; wind speed + direction; solar radiation; 5 4-20 mA outputs	2500/4000/5500	Direct	
FER975	Progres weather station	Temperature/humidity; rain gauge (0,2 l/p); anemometer; wind speed + direction; solar radiation; single 12 m cable output for 4-20 mA connection	2500/4000/5500	Direct	
FER600	1 liter rain gauge	Volumetric drainage control; 1 l/m ² ; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct	
FER605	0,2 liter rain gauge	External rain measurement 0,2 l/pulsation; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct	
FER513	Anemometer 4-20 mA	Wind speed; reading range from 0 to 120 km/h; 4-20 mA output	2500/4000/5500/ Radio/Single cable/ Agrobee	Direct	
FER417	Temperature 4-20 mA	Temperature; working range -40° C + 85 °C IP65; 4-20 mA output	All models	Direct	
FER415	Relative humidity 4-20 mA	Atmospheric humidity for outdoors; 5 m cable included; 4-20 mA output	All models	Direct	
FER602	Ventilated 4-20 mA humidity probe	Humidity in GREENHOUSES or humid environments; 5 m cable included; 4-20 mA output	All models	Direct	
FER419	4-20 mA humidity and temperature probe	Relative humidity and temp .; 5 m cable and solar protector; 4-20 mA output	All models	Direct	
FER412	Solar radiation 4-20 mA	Solar radiation, pole mounting with fixing clip and 5 m cable	All models	Direct	

WATER

Code	Name	Description	Compatibility	Connection	
FER819 + FER821	PH probe - Epoxy body + probe holder	pH of the water (recommended for low pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER401 transmitter	
FER097	Ph probe with 3/4 "probe holder	pH of the water (recommended for high pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER402 transmitter	
ATR051	4 electrode blue EC probe	EC detection 4 electrodes	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER401 transmitter	

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SOIL

Code	Name	Description	Compatibility	Connection	
FSM170	Teros 10 Soil moisture	Open field; measures soil moisture	All models	FER409 or FER410 transmitter	
FSM171	Teros 12 Soil moisture	In the greenhouse; measure: soil moisture, temperature, EC	All models	FER414 transmitter	
FER603	Watermark tensiometer 4-20	Tensiometric detection; measures from 0 to 239 cbar.	All models	FER557 transmitter	
ATRO65	Acquacheck. Probe soil moisture.	4 LEVELS probe; 800 mm	All models	FER414 transmitter	
ATRO66	Acquacheck. Probe soil moisture.	6 LEVELS probe; 1,200 mm	All models	FER414 transmitter	
ATRO67	Acquacheck. Probe soil moisture.	8 LEVELS probe; 1,400 mm	All models	FER414 transmitter	
ATRO68	Drill & Drop. Humidity probe and temp. soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO69	Drill & Drop. Humidity probe and temp. soil	6 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO70	Drill & Drop. Humidity probe and temp. soil	9 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO71	Drill & Drop. Humidity probe and temp. soil	12 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO72	Drill & Drop. Humidity probe, temp. and EC of the soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO73	Drill & Drop. Humidity probe, temp. and EC of the soil	6 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO74	Drill & Drop. Humidity probe, temp. and EC of the soil	9 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	
ATRO75	Drill & Drop. Humidity probe, temp. and EC of the soil	12 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	

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PLANT

Code	Name	Description	Compatibility	Connection	
FER470	Photosynthetic radiation 4-20 mA	Photon flow sensors; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER471	NVDI	Reflectance Vegetation index	Agrobee LoRa	FER414 transmitter	
FER472	PRI	Photochemical reflectance index; including stand	Agrobee LoRa	FER414 transmitter	
FER473	Ecomatik DC3 25mm trunk dendrometer	Measurement of trunk contraction and dilation; diameter up to 25mm	2500/4000/5500/Agrobee/ Single cable/Radio	Transm. FER503 Agrobee specific unit	
FER474	Verdtech 7mm trunk dendrometer	Measurement of trunk contraction and dilation; diameter up to 70mm	2500/4000/5500/Agrobee/ Single cable/Radio	FER503 Agrobee transmitter specific unit	
FER475	Trunk dendrometer 5/25 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER476	Trunk dendrometer 10/70 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER477	Ecomatik DF 15/110 mm fruit dendrometer	Measurement of the contraction and expansion of a plant organism; shows organism growth and water stress	2500/4000/5500/Agrobee/ Single cable/Radio	FER503 Agrobee transmitter specific unit	
FER478	Fruit dendrometer FI- 30 mm	Measurement of the contraction and expansion of a plant organism; shows the growth of the organism and water stress; diameter 30-45-90-160 mm; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER479	Fruit dendrometer FI- 45 mm			Direct	
FER480	Fruit dendrometer FI- 90-mm			Direct	
FER481	Fruit dendrometer FI- 160 mm			Direct	
FER482	Lymphatic flow at 5 or 10 mm	Movement measurement of lymphatic flow of small leaves; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER483	Lymphatic flow at 5 or 10 mm	Movement measurement of the lymphatic flow of large leaves; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER484	Small leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER485	Large leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	
FER486	Leaf moisture	Leaf humidity	2500/4000/5500/Agrobee/ Single cable/Radio	FER409 Agrobee transmitter specific unit	

TRANSMITTERS

Code	Name
FER409	H2O transmitter 2 sensors
FER410	H2O 3-sensor transmitter
FER414	SDI transmitter 12
FER400	EC/Ph transmitter
FER568	WM transmitter for 3 soil moisture probe
FER401	PH transmitter
FER402	EC transmitter
FER530	Dendrometer transmitter