

## Sensors supported by CaipoBase

### Air Temperature and Relative Humidity Sensor



Model	EE08
Dimensions	73mm x 12mm
Measurement Range	Rel. Hum: 0.100% Temp: -40..80°C
Accuracy	Rel.Hum.: ±2% Temp: ±0.2%
Supply Voltage	4.5..30V
Supply Current	1.3mA
Interface	Analog
Temperature range	-40°C to +80°C

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### Global Radiation Sensor



Model	SP Lite2
Dimensions	54mm x 34mm
Measurement Range	0..2000W/m <sup>2</sup>
Accuracy	<2%
Supply Voltage	5V
Supply Current	2mA
Interface	Analog
Temperature range	-30°C to +70°C

## Sensors supported by CaipoBase

### Wind Speed and Wind Direction Sensor



Model	Windsonic
Dimensions	163mm x 142mm
Measurement Range	Wind speed: 0..60m/s Direction: 0..359°
Accuracy	Speed: $\pm 2\%$ Direction: $\pm 3\%$
Supply Voltage	5..30 VDC
Supply Current	5.5mA
Interface	RS232
Temperature range	-35°C to +70°C

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### Pressure Sensor



Model	9LC
Dimensions	19mm x 5mm
Measurement Range	1..2Bar
Accuracy	1.5%
Supply Voltage	5V
Supply Current	2mA
Interface	Analog
Temperature range	-40°C to +150°C

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### Soil Moisture Sensor



Model	Z100
Dimensions	60 x 20 x 30 mm
Measurement Range	0% VWC to saturation
Accuracy	3%VWC
Supply Voltage	3..5V
Supply Current	6mA
Interface	Analog
Temperature range	+0.5°C to +80°C

## Sensors supported by CaipoBase

### Precipitation Sensor



Model	Rain Gauge
Dimensions	255mm x 205 mm
Resolution	0,5 mm
Accuracy	±1%
Supply Voltage	5V
Supply Current	0
Interface	Pulse counter
Temperature range	0°C to +70°C

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### Water Potential Sensor



Model	MPS2
Dimensions	75 x 32 x 15 mm
Measurement Range	-100 ... -5000 hPa, pF 1,71..3,71
Accuracy	±10kPa for -10 kPa to -100 kPa; ±25% for -75 kPa .. -500 kPa
Supply Voltage	3.6 - 15 VDC,
Supply Current	0.03 mA ... 10 mA
Interface	Digital
Temperature range	-40 °C ... 50 °C

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### Water Level Sensor



Model	Vegapuls WL61
Dimensions	300 mm x 115 mm
Measurement Range	Up to 15 m (49.21 ft)
Accuracy	±2 cm
Supply Voltage	9,6 ... 36 V DC
Supply Current	4 ... 20 mA
Operating Pressure	-1 ... +2 bar/-100 ... +200 kPa
Temperature range	-40 ... +80 °C



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### Soil Temperature Sensor



Model	ST
Dimensions	30 x 10 x mm
Measurement Range	-30 °C ... 70 °C
Accuracy	±1°C %
Supply Voltage	4,5 ... 15 V DC
Supply Current	4 ... 20 m
Interface	Analog
Temperature range	-30 °C ... 70 °C