

EvapTSP

Evaporimeter

Evaporimeter pan and wooden or plastic platform are built to WMO standards for class “A” evaporimeters. The evaporimeter pan is made from stainless steel. Water level sensor is installed in pan and probe position is ensured by holder.



Integrated overvoltage protection



Standard level ranges 0 to 0.25 m



Extremely stable and accurate



Interface RS-485, SDI-12



High reliability

Piezometric water level sensor has various interfaces as RS-485 or SDI-12 and is connected to data acquisition system (data logger). Evaporimeter can be equipped with a floating temperature sensor. The TSP digitally compensated pressure transmitter combines advanced piezoresistive metal sensor and transmitter design. Output signal of pressure sensor is

gained, digitized and worked in CPU with 16-bit A/D converter, which enables better pressure transmitter linearity and temperature compensation. Output D/A converter is 12 bit. TSP is designed for level measurement in tanks, evaporation pans.

Evaporimeter pan

Evaporation surface	1.143 m ²
Pan size	diameter 1207 mm, height 254 mm
Still well size	diameter 120 mm, height 245 mm
Overall weight	32 kg
Material	AISI 304

TSP

Measure type	level control of liquids
Certification	standard
Measuring range	0 to 0.25 m
Media temperature	0 °C to +70 °C
Accuracy	LINEARITY: 0.1 % FS STABILITY: 0.1 % FS HYSTERESIS: 0,03 % FS
Dimensions and weight	TSP: 28 x 101 mm, 160 g TSP B*: 28 x 147 mm, 195 g
	<i>* With an additional integrated voltage surge barrier</i>

Thermal effect - temperature compensation

Standard	< 0.1 % / 10 °C (in range 0 to + 70 °C)
Special	< 0.03 % / 10 °C (over different range)
Stability	0.15 % FS / year
Output	<ul style="list-style-type: none"> • 0/4 to 20 mA 3 - wire • 4 to 20 mA 2 - wire • 0 to 1 V 3 - wire • 0 to 10 V 3 - wire • RS-485 other on request
Power supply	24 V DC / 8 (12) V to 36 V
Power supply EEx	24 V DC / 8 V to 28 V
Electrical connection	connector DIN 43650 (included), vented cable

Process connection and gasket material - wetted parts

Overload	by product structure and price list (other on request)
Protection	IP 65 with connector, IP68 with cable