

Evaporimeter




- ▶ Class A evaporation pan design according to WMO
- ▶ Evaporation derived calculation using LSI LASTEM's acquisition systems
- ▶ Automatic water refill system
- ▶ High accuracy and resolution piezometric water level sensor
- ▶ Stainless steel assembling

LSI-LASTEM evaporimeter pan and platform are built to WMO standards for class "A" evaporimeters. The pan is made in stainless steel. The platform is made of white plastic. The pan features a stainless steel still well fit to contain the evaporimeter level sensor. The sensor consists of a piezometric water level sensor with analogue output for easy connection to any data acquisition systems. LSI-LASTEM data loggers can manage the switching of a solenoid valve for the automatic refill of water (when the measured level is below 25 cm).



Technical Specifications

PN	DYI010	
Evaporation pan	Design	WMO Class A
	Housing	Stainless steel AISI 304
	Evaporation surface	1,143 m ²
	Steel well	Included Ø 120 mm, H. 280 mm
	Weight	22 Kg
	Dimensions	Ø 1207 mm , H. 254 mm
	Water discharge level	214 mm
	Pan thickness	frame: 2 mm

Accessories

	DYI013	Plastic made platform
	DQC102	Piezometric type water level sensor
		Range: 0÷200 mm/H2O
		Output: 4÷20 mA (RS485 Modbus-RTU: using MDMMA1010.1 unit)
	Accuracy:	<ul style="list-style-type: none"> • Linearity: 0,1 % FS • Stability: 0,1% FS • Hysteresis: 0,03% FS

Accessories

	DQC102	Temp. Coeff Zero: typical: 0,015%FS/K, Max: 0,02% FS/K
		Temp. Coeff sensitivity: typical: 0,01%/K, Max: 0,02% FS/K
		Material: Stainless steel
		Operative temperature: 0÷+50°C
		Power supply: 12 Vdc, Power consumption < 4 mA
		Data Logger compatibility: M-Log (ELO008), R-Log (ELR515.1), E-Log, A-Log, Pluvi-ONE
	DWA510	Cable L. = 10 m
	DWA525	Cable L. = 25 m
	DWA526	Cable L. = 50 m
	DWA527	Cable L. = 100 m
	DYI012	Pan water top-up system, 12 Vdc

