

UGT Easy-To-Go Lysimeter

Technical specifications

Components	Parameter	Specification
Lysimeter	Dimension total	H: 981 mm, Ø416 mm
	Dimension lysimeter vessel	H: 600 mm, Ø300 mm
	Material	stainless-steel
	Sensor levels in the lysimeter vessel	200 and 400 mm from the top
SMT-100	Soil moisture	Measuring range: 0... 60 % Accuracy: ± 3 %, Resolution: 0,1 %
	Temperature	Measuring range: -40 ... +80°C Accuracy: ± 0,2 % Resolution: 0,01°C
Tipping counter	Tipping volume	5 ml
	Dimension	Ø116 mm, H: 137 mm
	Weight	230 g
	Impulse counter	1 mm ±5 % per tilt
	Collecting surface	50 cm ²
Load cell	Type	Tedea-Huntleigh 1042, Single point load cell
	OIML-class	C3 standardisiert
	Capacity	1 ... 200 kg
	Maximum safe central overload	100 kg

	Resolution	1 g
	Material	Aluminum with low profile, IP66
NB-IoT-Universallogger	Dimension	65 x 33 x 107 mm
	Field of application	-40 ... 80 °C
	Transmission interval	1-hour interval preset by UGT (shorter transmission rates can be preset by UGT, note the reduction in battery life)
	Protection class housing	IP 68
	Power supply	3,6 V Lithium battery LS33600/17.000 mAh
	Power consumption	Low, <3.5 µA in sleep mode / 250 mA when transmitting
	Antenna	Helical, gain 2.5 dBi
Submersible pump	Pump pressure	max. 1.4 bar
	Flow rate	max. 1320 l/h
	Dimension	Ø80 mm, H: 135 mm
	Weight	290 g
	Operating voltage	12 V