

iDOL 90 LoRa water meter



The iDOL 90 Wireless LoRa is a wireless water meter for measuring water flow. The iDOL 90 can be integrated into any water system where precise consumption measurement is required.

Reading out of data takes place wirelessly using the LoRaWAN standard (Long Range Wide Area Network). It requires a LoRaWAN gateway (gateway purchased separately).

The housing of the water meter is made of composite polymer plastic and is equipped with a filter at the inlet end.

Product survey



140353 idol 90 wireless LoRa

idol 90 wireless LoRa is a wireless water meter for measuring water flow.
Transmits data wirelessly.

Nominal flow quantity = 1500 liter/hour

Max. flow quantity = 2500 liter/hour

Connection threads: 1/2"

To be used with iDOL 64 gateway.

Accessories (To be purchased separately)



140327 iDOL 64 Gateway modem wireless & analog

Receives wireless, LoRa-based and analog sensor data and forwards it to the dol-sensor cloud service.

4 pcs. standard M12 male with 5 pins.

Supplied with 2 m cable with plug.



140355 iDOL 64 Gateway modem wireless

Receives wireless, LoRa-based sensor data and forwards it to the dol-sensor cloud service.

Supplied with 2 m cable with plug.

Technical data

	Water meter	Unit
Max. flow	2500	l/h
Nominal flow quantity	1500	l/h
Min. flow rate, horizontally mounted	31	l/h
Min. flow rate, vertically mounted	63	l/h
Pressure loss at nominal flow quantity	0.63	bar
Max. working pressure	16	bar
Pulse output	1	Pulse/Liter
Min. quantity readable	0.02	l
Max. quantity readable	99,999.999	m ³

	Water meter	Unit
Max. water temperature	30	°C
Connection threads	½	"
Reed contact	24/50	V AC/mA
	24/50	V DC/mA
Cable length	2	meter
Protection class	68	IP
Dimensions A:	110	mm
Dimensions B:	190	mm
Dimensions C:	85	mm
Dimensions D:	75	mm
Packing dimensions H x W x D	110 x 97 x 123	mm
Shipping weight	270	g
LoRaWAN converter		
Battery type	ER14505	-
Battery voltage	3.6	V
Battery capacity	2700	mAh
Battery lifetime estimate	5 years with 10 minutes sampling and good signal	-
Protection class	67	IP
Approvals	CE, FCC and IC	-

Dimensioned sketch



