

# Aranet Ultrasonic Distance sensor



- ① Highly accurate distance measurement
- ② Up to 7 year battery life
- ③ IP67 casing

For level monitoring of liquid and non-liquid materials.



**Aranet Ultrasonic Distance sensor** is used for level monitoring of liquid and non-liquid materials.

### Aranet Ultrasonic Distance sensor datasheet

Measurement	Distance
Line of sight range	3 km / 1.9 mi
Operating environment	Indoor and outdoor use
Transmitter power	14 dBm
Frequency	Depends on base station instructions
Measurement range	0.5 to 10 m
Measurement resolution	1 mm
Measurement accuracy	1%
Data transmission	1, 2, 5, 10 minutes
Data protection	Data encryption
Power options	1 AA Alkaline battery (Zn/MnO <sub>2</sub> ) 1 AA Lithium battery (Li/FeS <sub>2</sub> )
Battery life at 20°C / 68°F	Up to 5 years with Alkaline battery Up to 7 years with Lithium battery
Operating temperature	-20 °C to 55 °C / -4 °F to 131 °F with Alkaline battery -40 °C to 60 °C / -40 °F to 140 °F with Lithium battery
Humidity range	0% to 100%
Dimensions	53 mmØ x 210 mm / 2.1"Ø x 8.3"
Weight	286 g (10.1 oz) with Alkaline battery 279 g (9.9 oz) with Lithium battery
Construction	ASA, PVC, Aluminium
Protection class	IP67
Marking	CE
Compatible base stations	Aranet PRO and Aranet MINI
Included	1 AA Alkaline battery
Part number	TDSPDM02 (EU), <a href="#">TDSPDMU2 (NA)</a> , TDSPDMR2 (RU)