

# ULTRASONIC DISTANCE SENSOR



- ① measures distance
- ② high measurement accuracy
- ③ up to 7 year battery life
- ④ IP67 casing

mainly used for level monitoring of solid and liquid materials

Aranet Ultrasonic Distance sensor mainly is used for level monitoring of solid and liquid materials.

Aranet Ultrasonic Distance Sensor	
Measurements	Distance
Line of Sight Range	3km / 1.9mi
Operating environment	Indoor and Outdoor use
Transmitter power	14 dBm
Frequency	Depends on base station instructions
Measurement Range	0.3m to 5m or 0.5 to 10m
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 @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
Operating humidity	0% to 100%
Dimensions	53mmØx210mm/ 2.1inØx8.3in
Weight	286g (10.1oz) with Alkaline battery 279g (9.9 oz) with Lithium battery
Construction	ASA, PVC Plastic, Aluminium
Protection class	IP67
Marking	CE
Compatible base stations	Aranet PRO and Aranet MINI
Included	1 AA Alkaline battery
Part number	TDSPDM01 (EU), TDSPDMU1 (NA)

\* 1, 2, 5, 10 min interval supported from Aranet PRO v1.4.9 and Aranet MINI v3.20.