

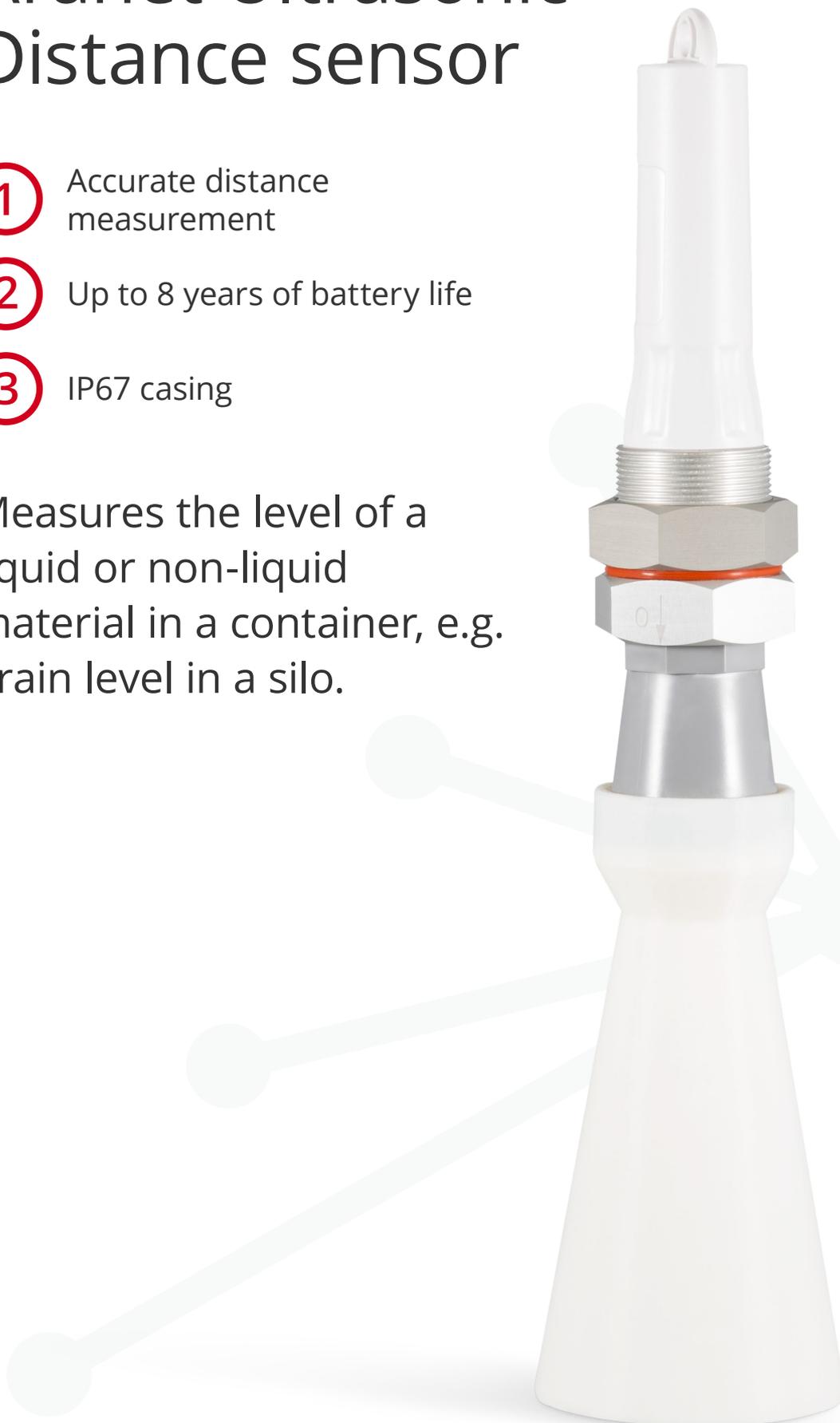


# Aranet Ultrasonic Distance sensor



- ① Accurate distance measurement
- ② Up to 8 years of battery life
- ③ IP67 casing

Measures the level of a liquid or non-liquid material in a container, e.g. grain level in a silo.



For level monitoring of liquid and non-liquid materials

TDSPDMU2 (NA)

TDSPDMR2 (RU)

**Sensor performance**

Range	0.5 – 10 m
Resolution	0.01 m
Accuracy	1 % of reading

**Radio parameters**

Line of sight range	3 km (1.9 mi)
Supported ISM bands	EU868, NA915
Transmitter power	14 dBm
Data transmission interval	1, 2, 5 or 10 minutes
Data protection	XXTEA encryption
Compatible base stations	Aranet PRO

**General**

Ingress Protection code	IP67
Maximum operating temperature range	-40 °C to 60 °C (-40 °F to 140 °F)
Dimensions	Ø 77.2 x 561 mm (Ø 3.04 x 22.1 in)
Weight <sup>1</sup>	310 g (11 oz)
Enclosure material	ASA, PVC, Aluminum
Included in the box	1 AA alkaline battery, polyester string

**Power 1 AA battery**

Type	Alkaline <sup>2</sup>	Lithium <sup>3</sup>
Operating temperature	-20 °C to 55 °C (-4 °F to 131 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
TX interval	Battery lifetime at 20 °C (68 °F) <sup>4</sup>	
1 minute	0.8 years	1.0 years
2 minutes	1.5 years	1.9 years
5 minutes	3.3 years	4.5 years
10 minutes	5.7 years	8.1 years

**Compliance**

CE	Conformité Européenne
IC	Innovation, Science and Economic Development Canada
FCC	Federal Communications Commission (USA)

<sup>1</sup> Weight with alkaline AA Fujitsu LR6G07 Premium battery.

<sup>2</sup> AA Fujitsu LR6G07 Premium battery used for tests and calculations.

<sup>3</sup> AA Energizer L91 Ultimate Lithium battery used for tests and calculations.

<sup>4</sup> Battery lifetime data has been obtained by mathematical extrapolation and is provided for descriptive purposes only and is not intended to make or imply any guarantee or warranty.