

# MS-EM310-UDL-868M

LoRaWAN Dual Ultrasonic Distance  
Sensor

Detection of up to 4.5m

Up to 10Km range with direct vision

Configuration via NFC and APP

Degree of Protection IP67

Long-lasting battery



Milesight

LoRaWAN IoT dual ultrasonic distance sensor

Contactless distance detection

Integrated 3-axis sensor for position monitoring

Suitable for use in water level monitoring, garbage collection, parking, etc.

Detection up to 4.5 meters

10 years battery life

Frequency 868MHz

Communication range up to 15Km with direct view

Easy configuration via NFC and smartphone APP

Suitable for exterior IP67

# Specifications

Technology	LoRaWAN®
Frequency band	868 MHz
Power Output	16dBm Max.
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class A
Range	3 ~ 450 cm
Accuracy	$\pm (1+0.3\% \cdot d)$ cm, d=distance
Resolution	1 mm
Position status	Normal / Inclined
Power supply	2 x 3500 mAh ER17505 Li-SOCL2
Battery duration	10 years (10 minutes of interval + 20 activations per day)
Operating temperature	-15°C to 60°C
Environmental protection	IP67
Dimensions	111 x 62 x 40 mm