talkpool

OY1400 LoRaWAN converter 0-10V, 4-20 mA
Product datasheet

LoRaWAN unit designed to connect external analogue probes to your LoRaWAN network. Fit for industrial environments, built to have many years of maintenance free battery life.

Sensing probe

Sensing probe type	4-20 mA, 0-10 V, open/closed circuit
Number of probes	2 individual channels
Data transmission frequency	Programmable and adaptive

Connectivity

Network	LoRaWAN
Frequency bands	868 MHz
Provisioning	Over the air & personalization

Size

Size	120 x 65 x 43 mm
Weight	180g

Security

Algorithms	AES-128
Hardware	Cryptographic co-processor
Features	Secure boot
	Secure firmware upgrade

Hardware based ultra-secure key storage

Battery life

Battery life length	10 years (dependent on external probes and use case)
Primary cell	Lithium-Manganese 3V
Capacity	2x CR123A 1.7 Ah
Replaceable	Yes

Environmental data, quality and reliability

Operating temperature	−20°C to +55°C
Humidity	0-100%

Enclosure

IP68

Certifications

RoHS compliant

CE

LoRaWAN