

Clogged roof drain sensor

TNS-02

Continuous monitoring of water height over time near roof drains to assess water flow.



Technical Parameters

Dimensions	90 x 30 x 195 mm
Device weight	1174 g
Data acquisition frequency (F)	4 to 60 min (1)
Resolution	0.01 mm
Accuracy	± 3 mm
Measurement range	0 to 180 mm
Maximum water height	703 mm
Error due to temperature variations (2)	0.1 mm / °C
Operating temperature range	-40 to 85 °C
Wireless range	800 mm (3)
Battery type	Lithium battery D / 3.6 V / 19 Ah
Battery life (4)	81 mo (F=5)
	159 mo (F=60)

(1) Based on weather conditions.

(2) From reference temperature of 20 °C.

(3) Based on the statistical average of the Tensio technology park.

(4) Best data rate and power level available.

Certifications, Compatibility and Prerequisites

Material	ASA
Ingress protection	IP67
Analog-to-digital converter (adc) resolution	24 bit
Communication protocol	LoRaWAN (1)
Other prerequisites	Installing a LoRaWAN gateway

(1) LoRaWAN region US915.