

NETW'O



Netw'O is a LoRaWAN® network quality tester. It records and time-stamps all information related to the quality of the radio link. **Netw'O** is controlled through a smartphone application and the measured data can be viewed on the same interface.

APPLICATIONS

- Testing the LoRaWAN® radio quality of a site
- Comparison of the radio coverage of several LoRaWAN® networks

BENEFITS & KEY FEATURES

- LoRaWAN®
- Easy to use
- Uplink and downlink LED status
- Remote control from a smartphone
- RSSI, SNR, number of gateways, ...
- Can be recorded on several networks at the same time
- Measurement report in Json or csv format
- Power supply: 2 x AA 1.5V battery

QUALITY & RELIABILITY

- RED, RoHS



Non-contractual photo



The **Netw'O** is the essential LoRaWAN® network tester before any installation. Its uplink and downlink LED interface gives a quick and clear view of the network quality.

It can be positioned in the real condition of the final product (closed cabinet, mast top,...) and controlled via a smartphone application.

It is possible to choose the number of frames transmitted, the spreading factor (SF), the rate adaptability (ADR).

The RSSI, SNR, gateway number, throughput and listening window measurements used are time-stamped, geo-located, recorded and presented on the smartphone interface.

The measurement report can be transferred in Json and csv format by email or other way of communication.

It is also possible, through the smartphone interface, to choose a different devEUI, which simply allows to test the radio quality of another network. It is necessary to commission the **Netw'O** on several LoRaWAN® networks with different devEUI.




The battery compartment allows easy replacement of the batteries with 2 x AA 1.5V commercial batteries, or rechargeable batteries can be used.

THE LARGEST IOT PRODUCTS RANGE FOR YOUR PROJECT

WATTECO is a European leader in the design and manufacture of smart IoT devices to suit all remote reading and data collection solutions.

WATTECO is a LoRa Alliance® member.

TECHNICAL DATA

RADIOFREQUENCY			
Frequency (MHz)	Transmit Power (dBm)		Receiver Sensitivity (dBm)
863-870	+12		-140
FIRMWARE			
Protocol	LoRaWAN®, Class A		
Activation method	Activation by Personalization (ABP) or Over-The-Air Activation (OTAA)		
Data encryption	AES128		
Smartphone application	Android, IOS via BLE		
USER INTERFACES		LED	Push Button
		Radio quality and network association	Reset, ON/OFF, Test
POWER SUPPLY			
2x AA 1.5V batteries included			
ENCLOSURE			
Size (mm)	IP rating	Material	
76 x 27 x 135	IP20	ABS UL94V0	
ENVIRONMENT			
Operating temperature		Storage conditions	
-20°C to +50°C		+10°C to +30°C +20%rH to +60%rH	
GUIDELINES & STANDARDS			
Radio Equipment Directive 2014/53/EU, RoHS			  

PRODUCT NUMBER

REFERENCE	DESCRIPTION
50-70-136	LoRAWAN® NETW'O TESTER