

SQM – Smart quantity monitoring device

The SQM—N/L is an intelligent data acquisition device specifically designed to collect data from pulse output water volume measuring devices. It can be installed in an underground shaft or pumping station, as it has an IP68-protected housing and can process a pulse signal through its external connections, even the signals of a bidirectional measuring instrument (backwards and forward flow). The device is not only able to send data once a day, but also transmits the measurement data every hour. The internal battery-powered device uses LoRaWAN or NB IoT communication technology to transmit measurement data to the dedicated server. The device operates with its own antenna, ensuring continuous access and reliable data transmission.

Field of application

- in wells, pumping stations, water volume measurement
- into new shafts and junctions during reconstruction
- in a measuring or fitting shaft where water volume measurement is required
- DMAs at water volume measurement points
- at transfer points where there is no network



Communication	
Transmission options	Nb-IoT/LoRaWAN
Antenna	External, 5 bands
Transmission frequency	Down to 5 minutes, typical 1 hour
SIM type (Nb-IoT)	eSIM
Digital pulse input	
No of pulse counter inputs	2
Battery	
Internal battery	3,6V
Battery chemistry	Lithium Thionyl Chloride (non rechargeable)
Environmental	
Operating temperature	-20 - 85 °C
Ingress protection	IP67 (optional IP68)
Physical	
Dimensions	82x80x55
Weight	200g