

## Approved local intelligence device (LID)

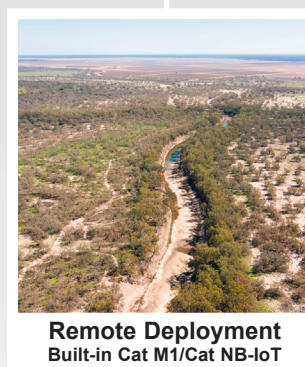
Halytech **meterwatch** is a premium data logger and telemetry device offering the longest battery life in its class.

A unique, easy to use web interface lets installers connect to **meterwatch** to set up and verify meter calibration, mobile signal strength and internet connectivity. Any computer with a browser can be used and no special software is required.

Extremely low power operation and field life in excess of 10 years is achieved by utilising the latest LTE Cat M1 and Cat NB-IoT communication technologies.

## Features

- Fully approved LID for the NSW DAS Non-urban water metering framework
- Economical to buy, install and operate
- 10+ year operational life
- Quick and easy to install - no external enclosures, batteries or solar panels
- Compatible with all pattern approved meters with pulse outputs
- Cable cut (tamper) detection
- Encrypted communications
- Complete system includes:
  - Compact IP 68 enclosure with built-in mounting system
  - One meter input
  - Three system inputs
  - Ethernet Interface
  - Integrated LTE Cat M1 / Cat NB-IoT modem
  - Internal or external antenna
  - Huge 400,000 record non-volatile on-device data memory
- Designed and manufactured in Australia by Halytech - an Australian company



# Specifications

## General

<b>Dimensions (approx)</b>	165(W) x 80(H) x 85 (D) mm
<b>Weight (approx)</b>	800 g
<b>Enclosure rating</b>	IP - 68
<b>Enclosure material</b>	ABS
<b>Mounting system</b>	Integrated into enclosure
<b>Operating temperature</b>	-5 to +50 degrees Celsius
<b>Factory warranty</b>	7 years parts and labour, return to base

## Power Supply

<b>Battery</b>	Integrated long life lithium batteries with 7+ years battery life
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## Meter Input

<b>Meter compatibility</b>	One pulse meter with tamper
<b>Input range</b>	0 -12V DC Voltage or voltage-free switch contact
<b>Minimum pulse width</b>	5 ms
<b>Maximum frequency</b>	100 Hz
<b>Range</b>	0 - 999,999
<b>Connection</b>	Integrated prewired lead

## System Inputs

<b>Type</b>	System temperature Battery voltage Internal moisture sensor
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## Logger

<b>Capacity</b>	approximately 400,000 records
<b>Storage memory</b>	Non-volatile FLASH
<b>Time resolution</b>	1 second
<b>Time synchronisation</b>	Automatic by NTP
<b>Report format</b>	DAS approved
<b>Automatic reporting</b>	Encrypted, directly to DAS

## Communication Interfaces

<b>Ethernet</b>	10/100 base-T with LANlink Cable
<b>Mobile communications</b>	LTE Cat M1 / Cat NB-IoT
<b>Antenna</b>	Standard - internal antenna Optional - external antenna
<b>Internet connectivity</b>	Mobile communications

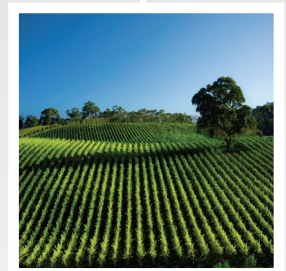
## Installation

<b>Requirement</b>	By duly qualified person only
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## Optional Assesories

**External antenna**  
**LANlink Cable**  
**Spare Battery Packs**  
**Universal Pipe Mounting Bracket**

All specifications are subject to change without notice. Published December 2020.



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