

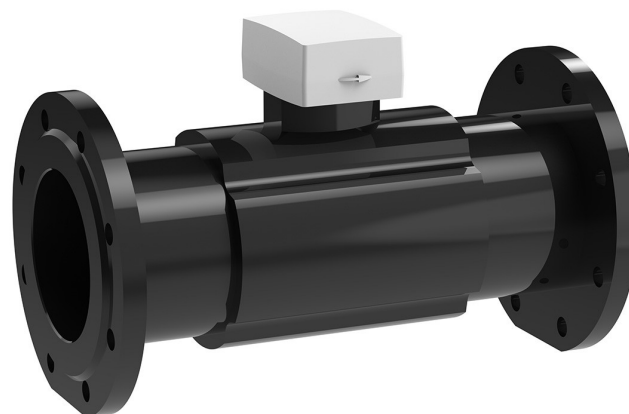
# Hydrus2 Cold DN150 L500mm M-Bus / Pulse

The HYDRUS2 M Bus ultrasonic water meter provides accurate, maintenance free measurement with integrated wired M Bus communication for BMS integration.

Its advanced ultrasonic technology provides long term stability, no moving parts, and reliable performance even in demanding conditions. The meter supports high resolution data, leak detection, backflow alerts, and robust diagnostics to enhance system visibility.

With IP68 protection it is suitable for both indoor and outdoor use, with its long battery life it will continue to function in a blackout, a wide dynamic range of up to R800 enables measurement of flow down to the level of drips, support for both horizontal and vertical installation and no need for calming sections. HYDRUS2 suits a broad range of commercial and industrial environments.

The HYDRUS2 wired M Bus offers dependable data delivery, advanced BMS integration for facilities needing detailed, automated water reporting.



## PRODUCT CODE

|              |                                         |
|--------------|-----------------------------------------|
| EHM50150X5FM | Hydrus2 Cold DN150 L500mm M-Bus / Pulse |
|--------------|-----------------------------------------|

## KEY FEATURES

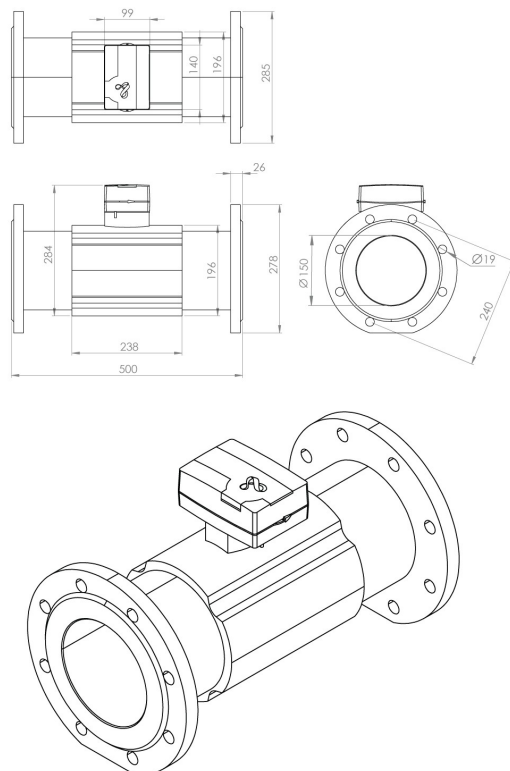
- WaterMark certified on all sizes
- NMI approved on all sizes
- Higher performance than class 2 requirements
- Q1/Q3 (Dynamic range) up to R800
- Ultrasonic design minimises sedimentation
- Long-term stability under difficult conditions
- Horizontal and vertical installation
- IP68 permanent immersion (suitable for outdoor installation)
- U0 / D0, no need for calming sections
- No moving parts & no magnetic influence
- No measurement of air
- Integrated communications
- Battery lifetime up to 16 years
- Display with error and alarm codes including leakage detection
- Available in T50 (Cold Water) DN 20, 25, 32, 40, 50, 80, 100, 150, 200
- Available in T90 (Hot Water) DN 15, 20, 25, 32, 40



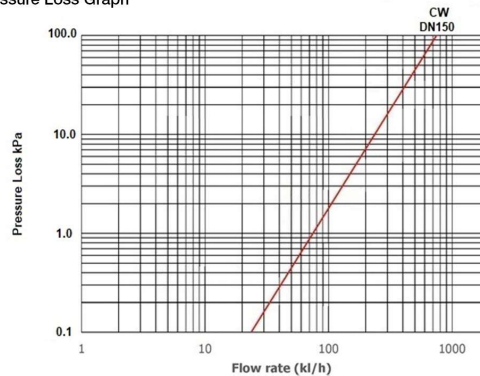
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## TECHNICAL DATA

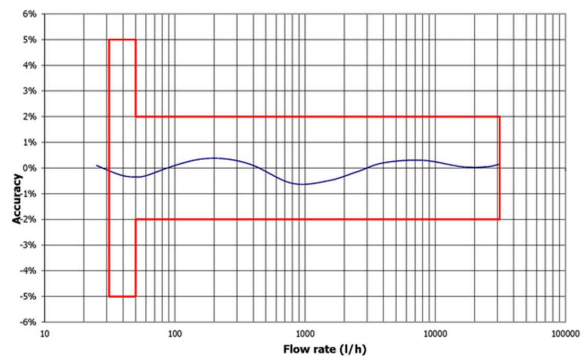
|                                        |                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Check Valve                            | None                                                                                                              |
| Couplings                              | None included                                                                                                     |
| Display Indication                     | LCD, 9-digit, additional symbols / display counter / unit                                                         |
| Values Displayed                       | Current Total Volume, Current Flow Rate, Remaining Battery Life, Error and Alarms, Software Version, Display Test |
| Maximum Temperature Safety             | 50°C                                                                                                              |
| Minimum Medium Temperature Range       | 1°C                                                                                                               |
| Dynamic Range (Q1/Q3) Horizontal       | 800                                                                                                               |
| Dynamic Range (Q1/Q3) Vertical         | 250                                                                                                               |
| Minimum Flow Rate Q1                   | 312.5L/hr                                                                                                         |
| Transitional Flow Rate Q2              | 500L/hr                                                                                                           |
| Permanent Flow Rate Q3                 | 250000L/hr                                                                                                        |
| Overload Flow Rate Q4                  | 312500L/hr                                                                                                        |
| Accuracy Class                         | 2                                                                                                                 |
| Inlet Connection                       | Round Flange 150mm                                                                                                |
| Outlet Connection                      | Round Flange 150mm                                                                                                |
| Battery Lifetime                       | Up to 16 years                                                                                                    |
| Protection Class                       | IP68                                                                                                              |
| Nominal Diameter                       | 150                                                                                                               |
| Interfaces                             | Wired M-Bus, Wired Pulse                                                                                          |
| Radio                                  | No                                                                                                                |
| Wired Pulse                            | Yes                                                                                                               |
| Maximum Pulse Frequency                | 10Hz                                                                                                              |
| Pulse Rate                             | 100L/pulse                                                                                                        |
| Wired M-BUS                            | Yes                                                                                                               |
| <b>Technical Notes</b>                 |                                                                                                                   |
| WM40207 AS3565.1 Lead Free (WaterMark) |                                                                                                                   |
| NMI R49-1                              |                                                                                                                   |



Pressure Loss Graph



Typical Error Graph



Due to ongoing Research and Development, specifications may change without notice.  
Component specifications may change on some export models.  
Refer to warranty statement for warranty details - [www.enware.com.au/warranty](http://www.enware.com.au/warranty).