

Level made easy—HydraTough H28



Optional vented terminal box-Lightning Protection

- Measuring ranges from 0-1 to 0-200m WG
- 4-20mA 2 wire output with HART
- Accuracy better than $\pm 0.2\%$ URL
- Sensors from 20KPa to 20Bar
- Body in 316SS
- 7.5mm PUR cable vented
- Damping 0-100sec - adjustable HART
- Transient voltage protection
- Mounting accessories to suit

Application: Level measurement in wells, open waters and ground water.

Experience will help us give you the best solution

ECEFast has been making submersible level transmitters for more than 20 years and we have come to understand industry requirements. We aim for rugged simplicity in a form that delivers the accuracy required for pump control and telemetry systems. We use a vented cable to deliver accuracy in all conditions, and a range of sensors to assure sensor turndown is minimised.

The new series is configured using HART communications and so they can be ranged, and damping constant set before shipment. We continue to offer our vented terminal box with molecular water filter, with an optional, new, two-wire lightning protection device, fitted. Other application options include a cable grip, sensor weight and an adaptor to allow the sensor to be thread mounted in the application—for example a pressure measurement subject to flooding, or permanent immersion.

Call us for advice 0800 323 327- For special versions please send your enquiry to sales@ecefaste.co.nz

Specifications

- Accuracy : $\pm 0.25\%$ URL
- Stability : $\pm 0.25\%$ URL per year
- Power Supply : 16.5-55VDC
- Signal output : 4-20mA with HART
- Start-up time : 3 seconds / HART 6 seconds
- Material : SS316 with 7.5mm PUR cable
- Temperature : $-10 \sim 70^{\circ}\text{C}$
- Sensors : 20,35,100,200,700KPa and 1,1.7,3.5MPa

To order the H28 SS body HydraTough level sensor

Nominate Part Code as follows...

HY-	H28-	Calibration in m WG-	Cable length-	Damping time in seconds
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Example: HY-H28-04-15-10

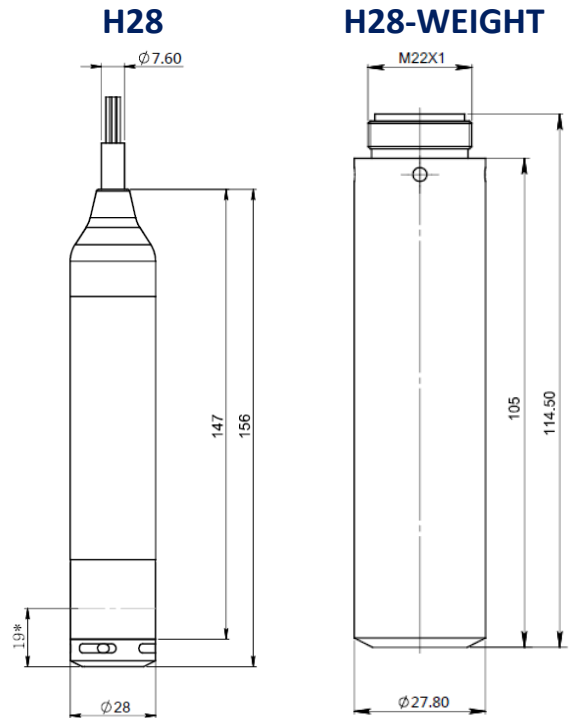
SS body 28mm diameter, 0-4m WG ,4-20mA, 15M PUR vented cable, 10 sec. damping

Defaults : Sensor selected to logically match the Calibration e.g. 20KPa for 0—1 (max 200m)

: Cable length = calibrated depth + 5m (max 1000m)

: Damping time 5 seconds (max 100 seconds)

Accessories:



Part numbers

HY-H28-WEIGHT approx. 500gm

HY-H28-ADAPTOR process connection M20x1.5

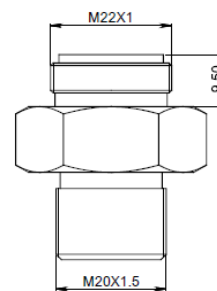
HY-H28-GRIP cable grip for 7.5mm support cable

HY-VENTBOX vented terminal box with lightning protection

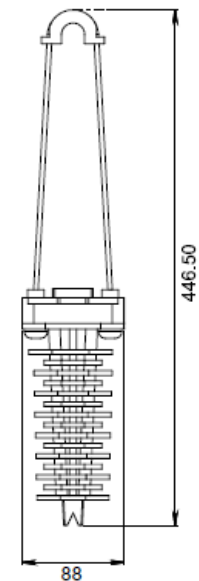
Counter weight:

In order to prevent measurement errors caused by sideways movement of product and ensure accuracy, you can add additional counter weights by screwing together and then connecting directly to the transmitter. Each unit can add three weights at the most

H28-ADAPTOR



H28-GRIP



Thread adaptor:

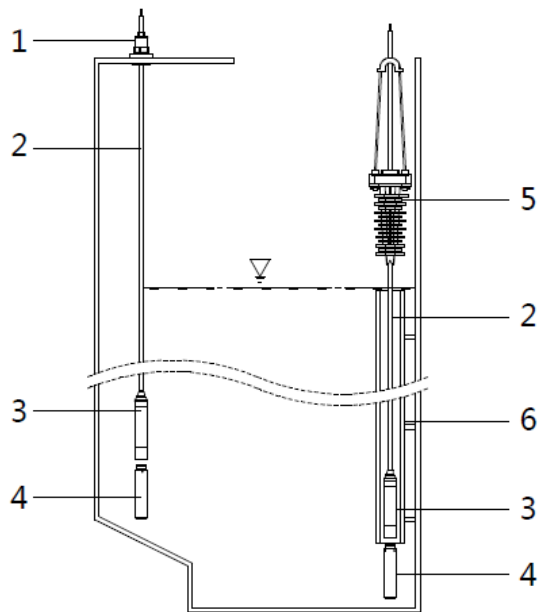
Thread adaptor or weight will screw in to the M22x1 thread in the end of the SS H28 style body in place of the protector

Cable Vent Box

The cable vent box is an important accessory in most installations. The sensor cable has a vent tube so there is a potential air flow from the cable termination into the sensor body. With temperature variation this is accentuated - it is important to make sure the termination is dry always, and our vent box is designed to achieve that and provide a good level of lightning protection for the sensor [which already has transient protection]



How to use the accessories



1. Threaded connection to fix the top and support the transmitter
2. Cable
3. Level transmitter
4. Counter weight
5. cable clamp
6. Protective sleeve
7. Threaded adaptor

Thread adaptor or Counter weight will screw in to the M22x1 thread in the end of the SS H28 style body in place of the protector

