

## Level made easy—HydraTough H46 for corrosive environments



- Measuring ranges from 0-1 to 0-200m WG
- 4-20mA 2 wire output with HART
- Accuracy better than +/-0.2% URL
- Sensors from 20KPa to 20Bar
- Body in PP or PVDF
- 7.5mm PUR or PTFE cable
- Damping 0-100sec - adjustable HART
- Transient voltage protection
- Mounting accessories to suit
- Al2O3 99% alumina diaphragm FKM seal

**Application:** Level measurement in Sewage treatment, aggressive liquids and corrosive environments

## 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 and sensor weight for use where there is flow in the liquid - fits over cable weight 500gm. For special versions please send your enquiry to [sales@ecefast.co.nz](mailto:sales@ecefast.co.nz) or call 0800 323 327

## Specifications

- Accuracy : ±0.25% URL
- Stability : ±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 : PP or PVDF
- Cable : 7.5mm PUR cable (standard) or PTFE
- Temperature : -10 ~ 70°C
- Sensors : 20,40,100,200,400KPa and 1,2 MPa
- Damping : 5 second to 100 seconds

## To order the H46 HydraTough level sensor

Nominate Part Code as follows...

HY-	H46-	PV or PVDF-	Calibration in m WG-	Cable length	0 or option
-----	------	-------------	----------------------	--------------	-------------

Example: HY-H46-PVDF-04-08

PVDF body 46mm diameter, 0-4m WG, 4-20mA, 8M PTFE vented cable, 10 sec

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

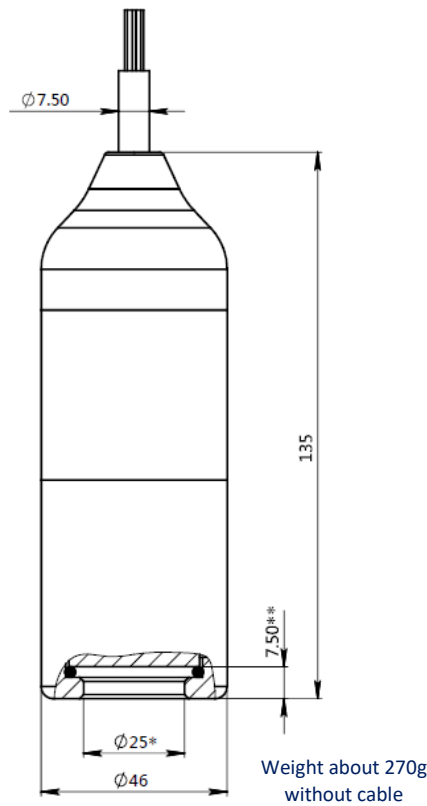
: Cable length = calibrated depth + 5m (max 1000m)

: Cable material PUR with PP body or PTFE with PVDF body

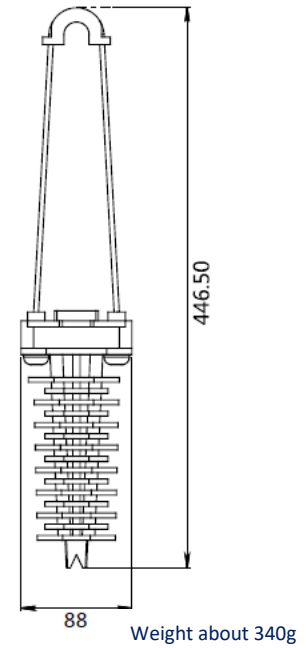
: Damping time 5 seconds (max 100 seconds)

Accessories and dimensions:

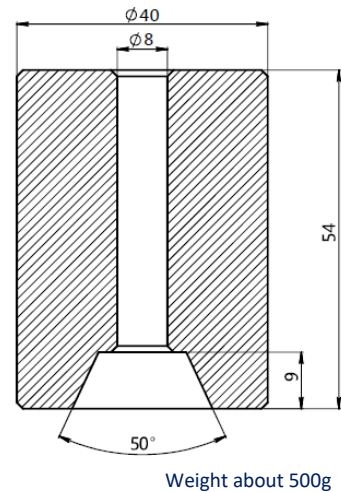
H46 body dimensions



Cable clamp



Counter weight



Counter weight:

Part No: HY-H46-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

Cable Vent Box

Part No: HY-VENTBOX

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]

