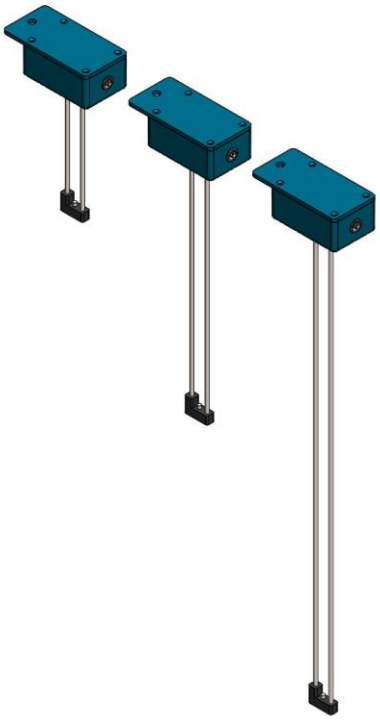
TDHM

Wave sensor

Ref : 4207

Rev : A



DESCRIPTION

Intended to measure rapid **variations of water level**, this wave sensor delivers a precise **analog signal**. It is used in hydraulics laboratories to study and model **waves physics.**

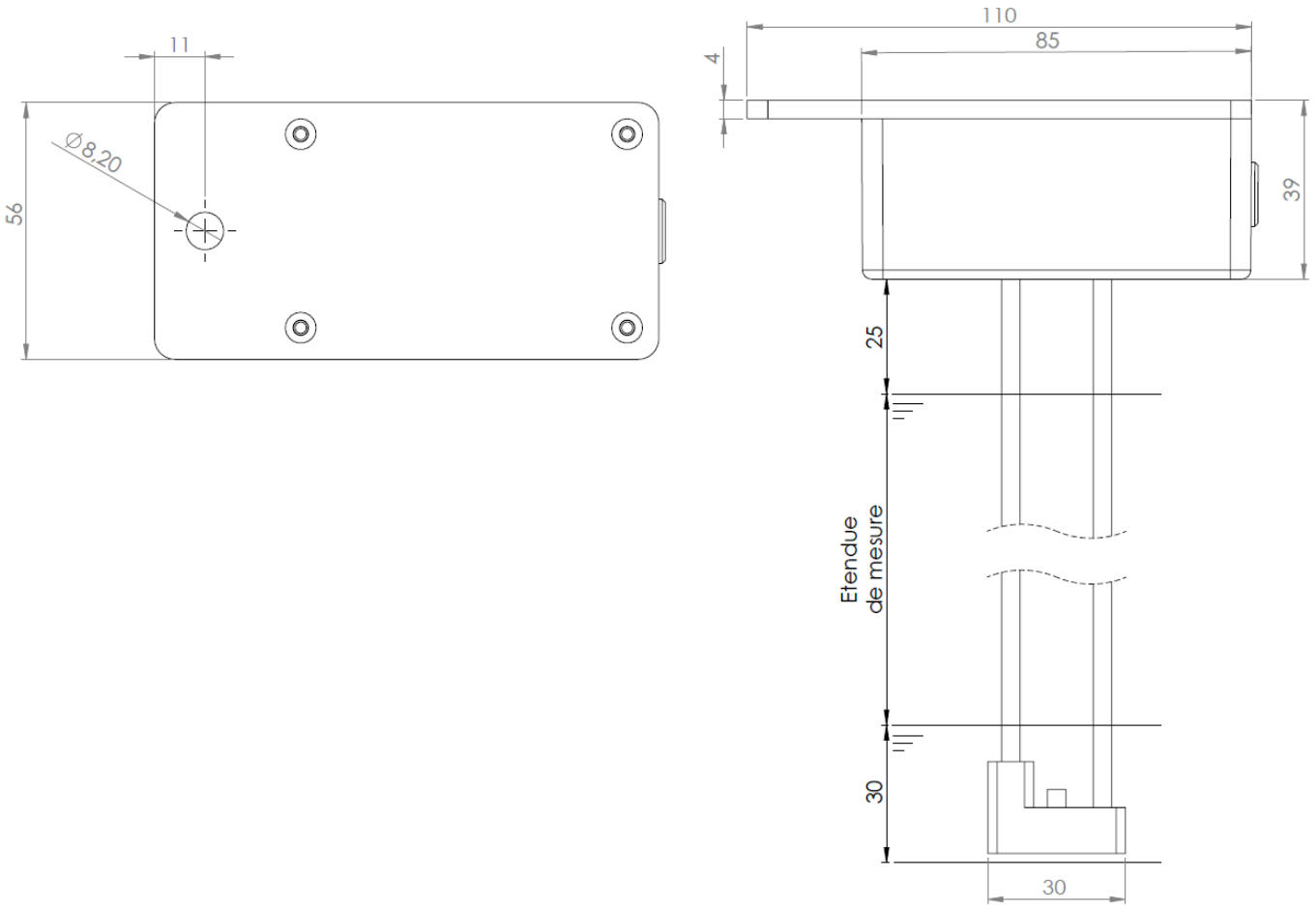
The conductance between the two electrodes is **linear** regarding the height of immersion in a resistive liquid (water). The device includes a compensation electrode, always submerged, which makes the wave sensor **insensitive to variations in conductivity** linked to the temperature and salinity of the water.

Available in predefined lengths and with a 5-15mA output signal, these features are **customizable** to your application.

TECHNICAL DATA

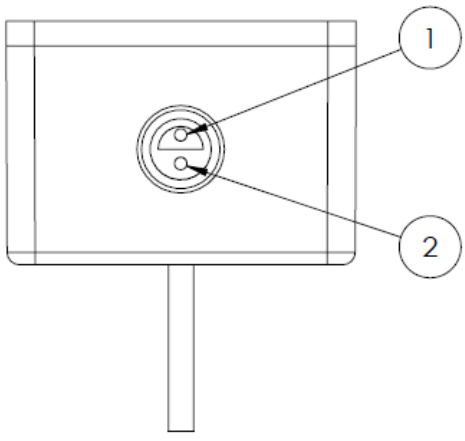
PARAMETER	VALUE	COMMENT
Measurement range	from 100 to 1200mm	Other lengths on request
Supply voltage	12 to 28 VDC	
Output signal	5/15mA current loop	Adjustable on request
Sensibility	TDHM500: 0,02mA/mm ±2%FS	
Linearity	< 2 %EM	
Temperature drift	< 0.15%/°C (de 10 à 40°C)	
Bandwidth	0 to 60Hz at -3dB	
Minimum immersion height	30mm	
Output connector	LEMO 1S - 2 pins	
Electrodes material	Stainless steel	
Box material	ABS	

SIZE



Dimensions in millimeters

WIRING



PIN	SIGNAL
1	LOOP +
2	LOOP -

ORDERING INFORMATION

TDHM

Length
100: 100mm
250: 250mm
500: 500mm
800: 800mm
1200: 1200mm

Other lengths on request

Example: **TDHM500**
- Length: 500mm

CONTACT

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