

# Submersible transmitter

**ETG**

Hydrostatic level measurement for drinking and waste water as well as industrial water



## Description

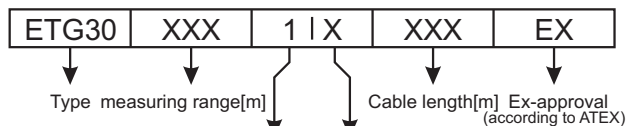
The submersible transmitter is utilised to provide continuous level measurements in drinking, waste and industrial water plant.

A ceramic pressure sensor and the electronics convert the hydrostatic pressure into a proportional electrical signal.

The bearer cable contains a pressure compensation tube to compensate for atmospheric pressure fluctuations. The submersible transmitter is supplied as 2-wire version providing output signal 4- 20 mA as well as with measurement ranges up to 100.00 mWS.

- Robust and reliable
- Housing and measuring cell made of stainless steel
- Ex approval zone 1 (option)
- Compact diameter
- Full scale adjustment of measurement range up to 100.00 mWS
- Standard versions on stock

## Order key:



*Example:* cable clip (standard)      Connection housing (type 1 to 3)

ETG30-005-10-010

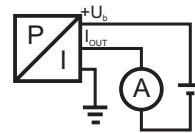
*Means:*

ETG Typ 30 measuring range = 5.00 m, with cable clip, without connection housing, cable length = 10 m, without ex-approval

## Technical data

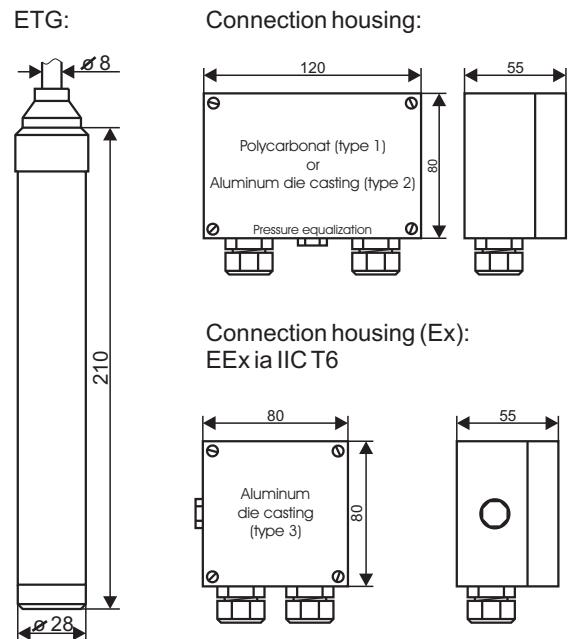
Operating voltage:	11.5... 30 V DC
Measuring range:	
min.:	0... 1.0 mWS
max.:	0... 100.0 mWS and all intermediate values
Overload:	3 x measuring range
Operating temperature:	- 10... + 40° C
Current:	
2-wire-execution:	4... 20 mA
max. burden [Ω]:	(U <sub>b</sub> [V] - 10,5 V) / 20 mA
Measurement error:	
Linearity:	< 0.5 % F. S.
Temperature drift:	< 0.01 % / K
Long term stability:	< 0.5 % / a
Cable:	2 wires with compensation line Cabel jacket is made of PU
Housing:	Stainless steel 1.4305
Degree of protection:	IP 68
Ex approval:	II 2 G EEx ib IIC T4

## Electrical connection



Color code:  
+ U<sub>b</sub> = red      I<sub>out</sub> = green

## Dimensions



Status 05/2012 - Subject to technical modifications



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