

HL-E1

# Flameproof Liquid Level Sensor

Key features:

- Analog Output/ Digital Output (RS485)
- To use with flammable liquid, e.g. gasoline, oil
- Flameproof type: Ex d II CT 6 Ga/Gb
- No electrical part in sensing area

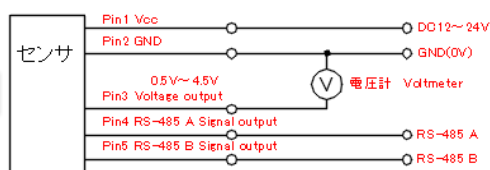
Specifications:

Model	HL-E1
Output	Analog output: 0.5~4.5V Digital Output: RS485
Resolution	± 1mm
Accuracy	± 5mm
Repeatability	± 5mm
Detection Length	0.45m ~ 2.3m below flange
Applicable liquid density	Min 0.6
Power supply voltage	DC12V~ DC24V ±10%
Operating temperature range	-20°C ~ 70°C
Storage temperature range	-20°C ~ 70°C
Power consumption	Max 100mA
Explosion proof grade	Ex d II CT 6 Ga/Gb (Expected : March 2018)
Flange installation	4 positions of M16 screw
Flange Size	Ø180mm x 14t
RoHS	RoHS Compliant

Mechanism:

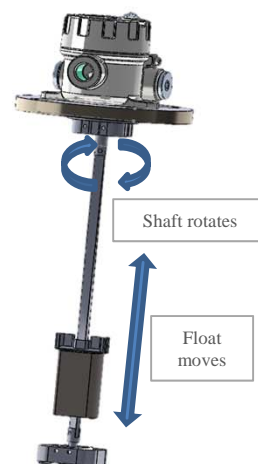
As the float moves up or down, the shaft rotates in angle that reflects the position of the float. Magnet also rotates accordingly to the rotation of the shaft. The magnetic IC then reads from the angle that the magnet turns, and converts it to analog output of the liquid level.

Output:



Zone0/Zone1 Ex d IIC T6

ATEX·IECEx Projected certificate acquisition: March, 2018



Materials:

Flange SUS304  
Shaft Aluminum  
Body Aluminum  
Float NBR/PF



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