

## ▶ HART Ultrasonic Level Meter

 **SIL IP68**

BROTEK Ultrasonic Level Meter with HART 4 to 20 mA output (measure material level, liquid level) is a non-contact, Inbuilt temperature measurement & Compensation, high reliability, high cost performance, easy to install and easy to maintain level measurement instrument. It can meet most of the level measurement requirements without touching the medium. It is a new generation ultrasonic level meter with full independent property rights developed by Brotek after many years of hard work.

Due to the different on-site installation environment Brotek Ultrasonic level meter Has facility to set process working condition, such as: measurement range, zero point, full range, and on-site working conditions, etc.



### Technical detail

Enclosure : Three cavity ( EX & IP 68 ) : Two Cavity IP68  
Ultrasonic probe : nano coated and anti condensate  
Function : Integrated  
Range : 5 meters, 10 meters, 15 meters, 20 meters  
Measurement accuracy : 0.5% -1.0%  
Resolution : 3mm or 0.1% (whichever is greater)  
Display : English LCD,  
: level in graph and figure,  
: Temperature of medium , output current and distance of level and % of level  
: self check and indicate and alarm : signal strength, hardware fail, echo loss, excessive noise,

Analog output : HART, 2-wire, 4 to 20mA : 4 to 20 mA  
Power supply Standard : 24VDC  
Ambient temperature : Display instrument -20 to + 60 C, Probe -20 to + 80 C,  
Degree of protection : Display instrument IP65, Probe IP68  
Probe installation : Based on range and probe selection

### Future and Option

Self compensation and alarm again Radio frequency and noise  
Ultrasonic probe is nano coated and anti condensate  
Inbuilt temperature sensor for measure and compensate Temperature  
Three cavity explosion proof Enclosure  
HART output

### Certification

Explosion proof : EXD IIC T6 Gb,  
Certificate no : CCRI 17, 1007,  
Safety Certificate : Class : SIL-3,  
Certificate No: 2j/1019  
Protection : IP 66

[https://www.youtube.com/channel/UC6UoNB3PQ9\\_kmu1-4eav8CQ](https://www.youtube.com/channel/UC6UoNB3PQ9_kmu1-4eav8CQ)

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