



PRODUCT OVERVIEW

LEVEL MEASUREMENT

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L705 Sewage Pressure Level Transducers & Transmitters



Characters

- ☆ Accuracy: $\leq \pm 0.5\% \text{F.S.}$
- ☆ Wide working temperature scope
- ☆ Advanced digital temperature compensation.
- ☆ Excellent resistance against impact, overload, Shock and erosion.
- ☆ Highly-efficient lighting absorption and strong RFI & EMI resistance
- ☆ Impact resistance and disturbance
- ☆ 1.5 times range standard overload.
- ☆ 3 times range burst pressure
- ☆ CE approving

Applications

- ★ Sewage level measuring and control
- ★ Automatic testing system
- ★ Well level measurement and control
- ★ Sea water level measurement and control
- ★ Industrial course testing and control
- ★ Laboratory equipment
- ★ Oil and Fuel Tank level measuring
- ★ Sewer water level and pressure monitor
- ★ Saving water to irrigate
- ★ Sewage pump station level measurement
- ★ And so on

Profiles

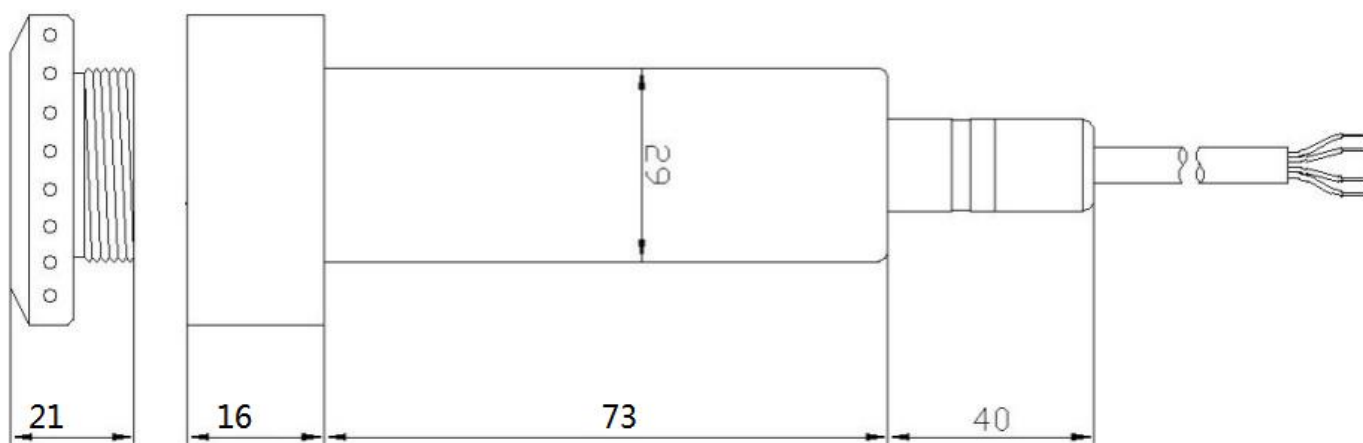
L705 is a fully sealed submersible level transducer/transmitter with thread and flange connector. It is made by building in high stable and reliable OEM piezo-resistive silicon pressure sensor and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immersed into the media for a long time.

L705 level transducer/transmitter has compact size, good stability it can be used for Sewage, water, liquid measure and control of Sewage pump station, water well, liquid tank, medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, especially used in the field of sewage level and pressure measurement project.

Specifications

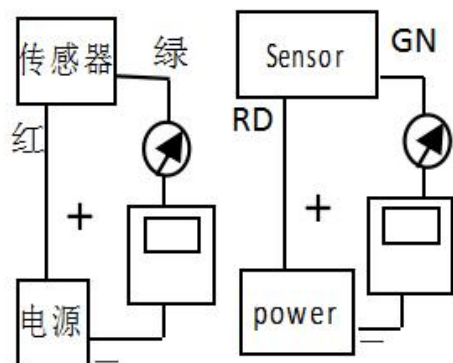
Model Parameter	L705			
Pressure Range	0-0.1 Bar.....50 Bar / 0-1m.....500m H ₂ O Optional			
Overload	150% F.S.			
Burst Pressure	300% F.S.			
Accuracy (Linearity Hysteresis Repeatability)	≤ ±0.5%F.S;≤ ±0.2%F.S;≤ ±0.1%F.S Including non-lin., rep. and hys. Optional			
Long-term Stability	Standard: 0.1%F.S±0.05%			
Working Temp.	-30℃~85℃			
Storage Temp.	-40℃~100℃			
Temperature Compensation	-10℃~60℃			
Medium compatible	Compatible with 316L Stainless Steel			
Electrical Wire	2 Wire	3 Wire		
Output	4~20 mA	0~5V	0~10 V	0.5~4.5 V
Power Supply	12~36 V DC	12~36 V DC	15~36V DC	5 V DC
Insulate resistance	>100M Ω @50V			
Loading resistance	(U-10)/0.02Ω	> 100KΩ		
Zero Temp. Drift	0.03%FS/℃(≤100kPa), 0.02%FS/℃(>100kPa)			
FS Temp. Drift	0.03%FS/℃(≤100kPa), 0.02%FS/℃(>100kPa)			
Electrical connection	Fixed cable and water proof IP68			
Process Connection	Φ 40 mm Thread with Cover			
Response time	≤10ms			
Pressure Type	Gauge pressure Absolute pressure optional.			
Certificate approval	Exia IICT6 and CE Certificate.			
EMC Standard	Electromagnetic radiation:EN50081-1/-2 Electromagnetic susceptibility:EN50082-2			
Water Proof	IP68			

Dimension and Drawing

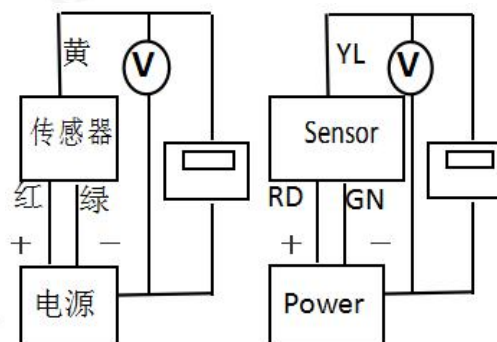


Unit, mm

Electrical Connections



Current output, 2-wire



Voltage output, 3-wire

Part Number Code Table For Pressure Range

000	0-1.0	009	0-1.9	018	0-8	027	0-50
001	0-1.1	010	0-2.0	019	0-10	028	0-60
002	0-1.2	011	0-2.1	020	0-12	029	0-80
003	0-1.3	012	0-2.5	021	0-15	030	0-100
004	0-1.4	013	0-3	022	0-20	031	0-250
005	0-1.5	014	0-4	023	0-25	032	0-300
006	0-1.6	015	0-5	024	0-30	033	0-400
007	0-1.7	016	0-6	025	0-35	034	0-500
008	0-1.8	017	0-7	026	0-40	X	Customized

Order Information

P/N Selection	L705 (Model)	010	E5	S37	H	1	1	G	A
Range	Refer to <i>PART NUMBER CODE TABLE FOR RESSURE RANGE</i> on previous page and select your requested range code here.								
Output	E5=4-20mA(2 wires) E6=0-5V(3 wires) E7=0-10V(3 wires) E8=0.5-4.5V(3 wires) X= By Customized								
Power Supply	S6=5Vdc S37=12-36Vdc S44=15-36Vdc S17=10-30Vdc X= By customized								
Pressure & Level Units	B=Bar P=PSI H=H ₂ O F=m Fuel								
Accuracy	1=0.5%F.S 2=0.25%F.S 4=0.15%F.S(by customized)								
Cable Length	1=Cable 1m 2=Cable 2m 3=Cable 3m X=Cable x m								
Pressure Type	G=Gauge Pressure A=Absolute Pressure S=Sealed Pressure								

Process Connection A=40 mm Diameter thread with cover(M40*1.5 male)