D700

Digital Level and Pressure Transmitter



THE D700 IS A VENTED DIGITAL AND ANALOGUE PRESSURE TRANSMITTER CONFIGURABLE VIA MODBUS.

ACTIVE OUTPUT CAN BE CHANGED BETWEEN CURRENT AND VOLTAGE AS PER USER REQUIREMENTS ON SITE WITHIN SECONDS. IN ADDITION, THE OUTPUT RANGE CAN ALSO BE CHANGED WITHIN DEFINED LIMITS.

THE D700 ALSO HAS A BUILT-IN OPEN DRAIN OUTPUT CONTROLLED BY USER SETTABLE ALARM LEVELS.

IDEAL FOR SENSING TANK FULL OR PUMP DRY CONDITIONS.

Applications

- + Remote Tank Level
- + Remote Tank Gauging
- + Pressure Survey
- + Pressure Control
- + Remote Reservoir Depth
- + Remote Borehole Depth
- + Tank Level Control
- + Pressure Reducing Valve Control

Specifications

INPUT

Ranges

0–0.3, 0–1, 0–3, 0–10 Bar

Resolution

0.003% FS

Accuracy

0.25% FS

Connection

1/8" BSP

Over Pressure

4 x Range

ELECTRICAL

Supply

Analogue - 8V – 36V
Modbus - 5V – 36V

Analogue Outputs

Voltage - 0.5 – 4.5V
Current - 4 – 20mA

Digital Outputs

Modbus – RS485
Open Drain

Impedance

Voltage Output – >5kΩ

Response

70ms

Digital Output Limits

Maximum Voltage – 30V
Maximum Current – 1A
On-State Resistance – 250mΩ

COMMUNICATIONS

Over Range

Voltage – 4.75V
Current – 24mA

Protocol

RTU, 19200 Baud (8,1,E)

MATERIALS

Wetted

Transducer
Stainless Steel 316L Viton A
Body
Stainless steel 316
Loctite 577
Nickel-Plated Brass
Buna-N
Nylon
Cable
polyurethane

All materials are WRAS approved

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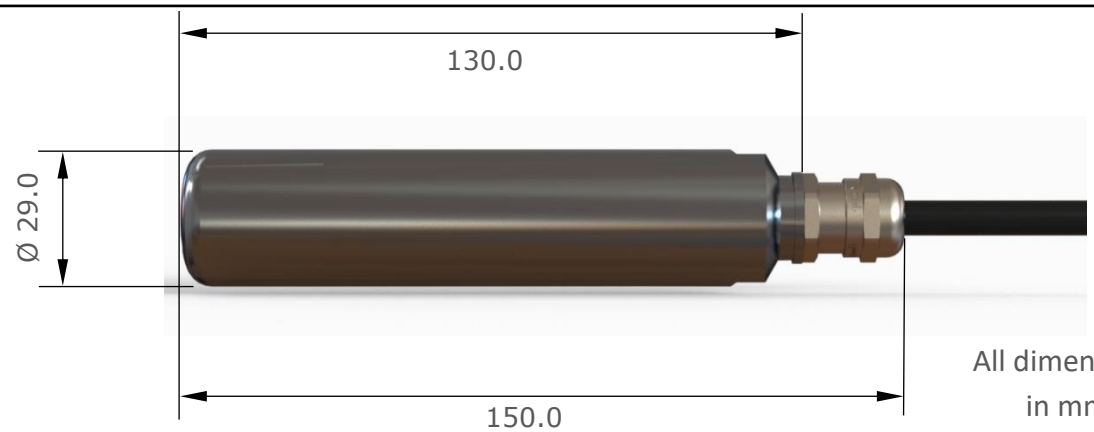
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Options/Ordering codes

	D700	–	XXX	–	XXX	–	XX	–	XXXX	–	X
Transducer Range	0.3 bar = 3 001 bar = 10 003 bar = 30 010 bar = 100										
Cable Length (Metres)					XXX						
Output Type							Current Loop (4-20mA) = CL Voltage Out (0.5-4.5V) = VO MODBUS Only = MB				
Output Full Scale Range									XXXX		
Unit of Pressure Measurement											bar = A mH_2O = B mbar = C mmH_2O = D PSI = E MPa = F kPa = G atm = H

Example	
D700-003-003-Vo-2000-D	0.3 bar – 3m of cable – 0.5-4.5V Output – 4.5V @ 2000 mmH_2O

Variations considered on request,
contact: sales@ash-eng.com



All dimensions in mm

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