ASHRIDGE[®]

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

SEE MORE INFORMATION OVERLEAF...

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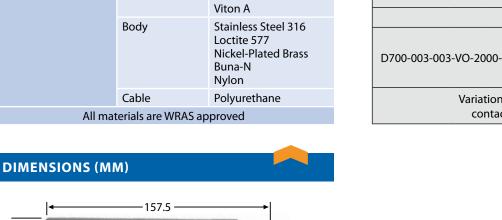
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OPTIONS/ORDERING CODES

SPECIFICATION

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 Voltage - 0.5 – 4.5V						
Analogue Outputs	Voltage - 0.5 – 4.5V Current - 4 – 20mA						
Digital Outputs	Modbus – RS485 Open Drain						
Impedance	Voltage Output – $>5k\Omega$						
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	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							



Cable Ø 7.5

			_								
		D700	- XXX	-	XXX	-	XX	-	XXXX	-	Х
Transducer Range	0.3 bar		3								
	001 ba	r	10								
	003 ba	r	30								
	010 ba	r	100								
Cable Length (Metres)					xxx						
Output	Curren	t Loop ((4-20mA	()			CL				
	Voltage	e Out (0).5-4.5V)				VO				
Туре	MODB	US Only	/				MB				
Output Full Scale Range									xxxx		
	bar										А
Unit of Pressure Measurement	mH₂O										В
	mbar C										
	mmH ₂ O D										
	PSI E										
	MPa F										
	kPa (G				
	atm										Н
Example											
D700-003-003-VO-2000-D 0.3 bar – 3m of cable – 0.5-4.5V Output – 4.5V @ 2000 mmH₂O											
Variations considered on request, contact: sales@ash-eng.com											