



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

SEE MORE INFORMATION OVERLEAF...

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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
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

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 ₂ O										B
	mbar										C
	mmH ₂ O										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 mmH₂O

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

DIMENSIONS (MM)

