Data Sheet

Expert™ Hydrostatic Level Transmitters

MJK Expert[™] 1100 Level Transmitter



The MJK Expert[™] 1100 Level Transmitter has a small external diameter and is made of 316L stainless steel.

The transmitter is designed for measuring levels in water wells and drinking water tanks.

The MJK ExpertTM 1100 is an accurate 2-wire transmitter with a piezoresistive measuring system with direct air pressure and temperature compensation.

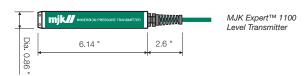
Specifications

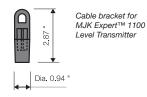
MJK Expert™ 1100 Hydrostatic Level Transmitter			
Nominal measuring range (ftWG)	0 - 10 ft.	0 - 30 ft.	0 - 100 ft.
Measuring principle	Piezoresistive (pressure)		
Min. programmable range	0 - 6 ft.	0 - 12 ft.	0 - 36 ft.
Max. programmable range	0 - 12 ft.	0 - 36 ft.	0 - 200 ft.
Non-standard range	Min. 0 - 6 ft. / Max. 0 - 900 ft.		
Max. overpressure	3.5 bar / 50 psi	3.5 bar / 50 psi	10 bar /150 psi
Temperature range	15 to 150 °F		
Temperature deviation, zero point	Better than ± 0.01 % / °F		
Temperature deviation, full range	Better than ± 0.008 % / °F		
Linearity / Stability	Better than \pm 0.5 % FS / \pm 0.1 % FS		
Measurement accuracy	Better than \pm 0.25 % FS @ 50 to 85 °F Better than \pm 0.5 % FS @ full temperature range		
Long time stability	Better than ± 0.5 % FS per year		
Materials	Housing and diaphragm made from stainless steel (AISI 316 L)		
Supply voltage	10 - 30 V DC (12 - 30 V DC for cable lengths above 315 ft.)		
Output signal	2-wire 4 - 20 mA (passive transmitter)		
Cable	2 × AWG 20 (pressure) + 5 x AWG 25 (data), shielded, PUR insulation		
Cable length ®	39 ft.	39 ft.	115 ft.
Enclosure	NEMA 6P, withstands a static pressure equal to max. overpressure		
Approvals	EN61000-6-3/-4:2001, EN61000-6-1/-2:1999		
[®] Can be delivered with other cable lengths on request.			

Order Numbers

Order Numbers		
209950	Expert™ 1100, range 0 - 10 ft.	
209955	Expert™ 1100, range 0 - 30 ft.	
209960	Expert™ 1100, range 0 - 100 ft.	

Dimensions





US 2.75 Expert 0811

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