

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 Expert™ 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 $\pm 0.01\% / ^\circ F$		
Temperature deviation, full range	Better than $\pm 0.008\% / ^\circ F$		
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 $\pm 0.5\% FS$ 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 x AWG 20 (pressure) + 5 x AWG 25 (data), shielded, PUR insulation		
Cable length ^①	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		

^① 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

