

MJK Expert™ 700  
Level Transmitter



The MJK Expert™ 700 Level Transmitter has a small external diameter - 0.63 inch - and is made of 316L stainless steel.

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

The MJK Expert™ 700 is an accurate 2-wire transmitter with a piezoresistive measuring system with direct air pressure and temperature compensation and built-in surge protection.

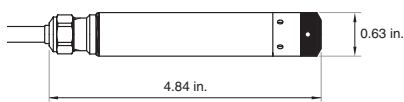
Specifications

MJK Expert™ 700 Level Transmitter		
Nominal measuring range (ft. WG)	0 - 100 ft.	0 - 300 ft.
Measuring principle	Piezo-resistive (relative pressure)	
Min. programmable range	30 ft.	100 ft.
Max. programmable range	100 ft.	300 ft.
Non-standard range	Min. 0 - 30 ft. / Max. 0 - 900 ft.	
Max. overpressure	4.8 bar / 70 psi	20 bar / 290 psi
Temperature range	-5 °F to 175 °F	
Temperature deviation, zero point	Better than ± 0.01 % / °F	
Temperature deviation, full range	Better than ± 0.01 % / °F	
Linearity / Stability	Better than ± 0.5 % FS / ± 0.1 % FS	
Measurement accuracy	Better than ± 0.25 % FS @ 50 °F to 85 °F	
Long time stability	Better than ± 0.5 % FS per year	
Materials	Stainless Steel 316L / Viton® / PE	
Supply voltage	10 - 30 V DC (12 - 30 V DC for cable lengths above 300 ft.)	
Output signal	2-wire 4 - 20 mA (passive transmitter) / RS485	
Surge protection	Supply and RS485: 200A @ 8/20 µs Gnd/case: 2000A @ 8/20 µs	
Cable	5 x AWG 23, shielded, PE insulation	
Cable length <sup>①</sup>	115 ft.	360 ft.
Enclosure	NEMA 6P, withstands a static pressure equal to max. overpressure	
Weight (without cable)	0.45 lbs	
Approvals	CE Conformity EN61000-6-1 to -6-4	
<sup>①</sup> Can be delivered with other cable lengths on request.		

Order Numbers

Order Numbers	
293816	Expert™ 700, range 0 - 100 ft.
293817	Expert™ 700, range 0 - 300 ft.
691110	Cable for Expert™ 700 (PE)
Contact MJK for special requests.	

Dimensions



MJK Expert™ 700 Level Transmitter  
External diameter: 0.63 in.  
Length: 4.84 in.