



The MEAS KPSI 735 is a submersible hydrostatic level transducer specifically designed to meet the rigorous environments encountered in liquid level measurement and control. It can be configured to perform to specifications under most adverse, reactive conditions.

All KPSI Transducers utilize a highly accurate pressure sensor assembly specifically designed for hostile fluids and gases. The assembly is integrated with supporting electronics in a durable waterproof housing constructed of 316 stainless steel or titanium. The attached electrical cable is custom manufactured and includes Kevlar® members to prevent errors due to cable elongation, and a unique water block feature that self-seals in the event of accidental cuts to the cable. Each transducer is shipped with a SuperDry[™] Vent Filter that prevents moisture from entering the vent tube for at least one year without maintenance, even in the most humid environments.

FEATURES

- Custom Polyurethane or ETFE Cable Lengths
- Welded 316SS or Titanium
- Custom Level Ranges up to 700 ft (210m) H2O
- Multiple Analog Outputs
- Multiple Nose Piece Styles
- Optional Lifetime Lightning Protection
- Shipped with Long Life Vent Filter

APPLICATIONS

- Lift Stations
- Pump Control
- Level Control
- Surface Water Monitoring
- Landfill Leachate
- Well Monitoring
- Groundwater Monitoring

SPECIFICATIONS

Parameter		Comment
LEVEL RANGES		
Full Scale Level Ranges (intermediate level ranges are available)	6 thru 700 ft H2O (1.8 thru 210 m H2O)	Vented Gage Reference
	N/A	Sealed Gage Reference
	N/A	Absolute Gage Reference
Proof Pressure	1.5 x FS	
Burst Pressure	2.0 x FS	

SPECIFICATIONS

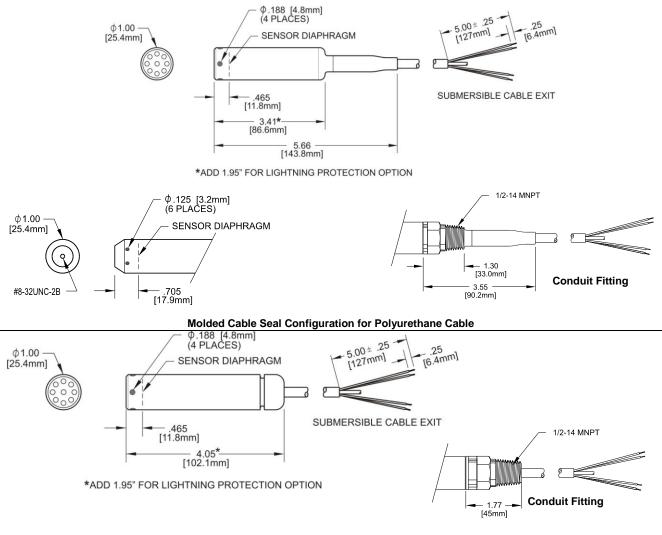


BFSL method ® and Viton® are registered trademarks of DuPont. Per compensated temperature range ranges < 12 ft (4 m) H ₂ O ttached to polyurethane cable - 0-5V, 0-2.5V, 0-4V 4-20 0-10V 1.5-7.5V for mA output for VDC output				
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6-1:2001 and 61326-2-3:2006				
III, Div 1, Groups A,B,C,D,E,F&G				
al and Electronic Equipment (WEEE) and e use of Hazardous Substances (RoHS)				
mer derivative material, Tefzel® or and Kevlar® are registered trademarks of				
for polyurethane cable for ETFE cable				
for 4-20mA output versions only				
Temperature Measurement Accuracy ±4°C LIGHTNING PROTECTION (power supply needs to be limited to 150mA to avoid lock up of the gas tube after a suppression event)				
f				

KPSI 735



DIMENSIONS

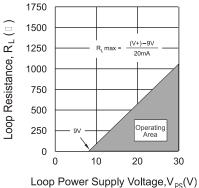


Gland Cable Seal Configuration for ETFE cable

ELECTRICAL TERMINATION / LOOP RESISTANCE / CERTIFICATIONS

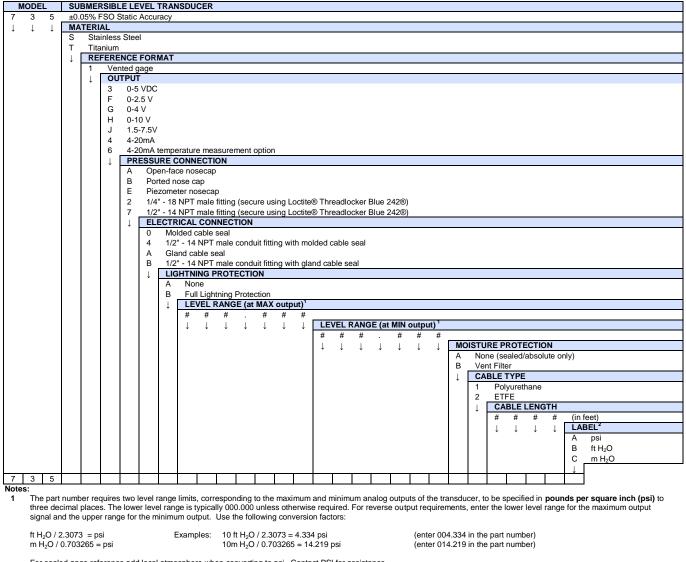
ELECTRICAL TERMINATION				
22AWG CONDUCTORS IN A SHIELDED CABLE WITH VENT TUBE				
4-20 mA	RED BLACK	+ EXCITATION - EXCITATION		
0-5 VDC	RED BLACK WHITE	+ EXCITATION - EXCITATION + SIGNAL		
ALL	DRAIN WIRE	SHIELD		

LOOP RESISTANCE vs. LOOP POWER SUPPLY





ORDERING INFORMATION



 For sealed gage reference add local atmosphere when converting to psi. Contact PSI for assistance. Example: 10 ft H₂O / 2.3073 +14.7 = 19.034 psi
Units of measure on standard PSI label. Contact PSI if private labeling is required.

NORTH AMERICA

Measurement Specialties, Inc. 1000 Lucas Way Hampton, VA 23666 USA Tel: 1-757-766-1500 Fax: 1-800-745-8008 Sales: <u>WL.sales@meas-spec.com</u>

EUROPE

Measurement Specialties (Europe), Ltd. 26 Rue des Dames 78340 Les Clayes-sous-Bois, France Tel: +33 (0) 130 79 33 00 Fax: +33 (0) 134 81 03 59 Sales: pfg.cs.emea@meas-spec.com

ASIA

(enter 019.034 in the part number)

Measurement Specialties (China), Ltd. No. 26 Langshan Road Shenzhen High-Tech Park (North) Nanshan District, Shenzhen 518057 China Tel: +86 755 3330 5088 Fax: +86 755 3330 5099 Sales: pfg.cs.asia@meas-spec.com

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