

WATER LEVEL SENSORS

We are a leader in the water resources monitoring market with long standing experience in the design and manufacture of water level and water quality sensors. Our expertise in media isolated pressure sensors offers unique advantages in creative product development and consistent product performance. Water level transducers can be customized and are available in a wide range of accuracies, materials, and cabling. With your choice of analog or digital output, our sensors are easily adapted to any data system. Or, use self-powered units with onboard memory for long term deployment. We also provide water quality instrumentation for analyzing lakes, rivers, estuaries, and aquifers worldwide. Our CTD models measure conductivity, temperature, and depth critical to water resources improvement and preservation.



WATER LEVEL DATA LOGGERS



MEAS TruBlue Logger 555 Level, 575 Baro, 585 CTD

Accuracy	±0.05% FS TEB (TruBlue 555, 575, 585) 1% of reading or 20 µs/cm (TruBlue 585)
Range	0 - 692 ft (TruBlue 555, 585) 8 - 16 psia (TruBlue 575) 5 - 200,000 µs/cm (TruBlue 585)
Max. Over-range	2X FS (TruBlue 555, 585) 32 psia (TruBlue 575)
Output	RS-485, SDI - 12
Data Logging Memory	8 MB
Operating Temp.	0°C to 50°C
Dimensions (mm)	Ø19.0 x 390.0
Typical Applications	Groundwater monitoring, surface water monitoring, oceanographic research, barometric pressure monitoring



MEAS TruBlue Logger 255 Level

Accuracy	0.05% FS TEB
Range	0 - 658 ft H ₂ O
Max. Over-range	3X full scale
Output	RS 485, SDI - 12
Data Logging Memory	8 MB or 56 MB
Operating Temp.	0°C to 50°C
Dimensions (mm)	Ø19.0 x 222.0
Typical Applications	Flood and storm monitoring, wave studies and rapid sampling, stream and stage gaging, slug and pump test, aquifer characterization



MEAS TruBlue Logger 275 Baro

Accuracy	0.05% FS TEB
Range	8 - 16 psia
Max. Over-range	3X full scale
Output	RS 485, SDI-12
Data Logging Memory	8 MB or 56 MB
Operating Temp.	0°C to 50°C
Dimensions (mm)	Ø19.0 x 222.0
Typical Applications	Barometric pressure monitoring

DIGITAL LEVEL SENSORS



MEAS KPSI 500, 501

Accuracy	±0.05% FS TEB (KPSI 500) ±0.01 ft H ₂ O (KPSI 501)
Range	10 - 230 ft (KPSI 500) 10 - 50 ft (KPSI 501)
Max. Over-range	2X FS
Output	SDI - 12, RS-485
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 197.0
Typical Applications	Groundwater monitoring, surface water monitoring, oceanographic research



MEAS KPSI 351, 353, 355

Accuracy	±0.10% FS TEB (KPSI 353) ±0.05% FS TEB (KPSI 355) ±0.01 ft H ₂ O (KPSI 351)
Range	10 - 230 ft (KPSI 353, 355) 10 - 50 ft (KPSI 351)
Max. Over-range	2X FS
Output	SDI - 12, RS-485
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø19.0 x 243.0
Typical Applications	Groundwater monitoring, surface water monitoring, oceanographic research

DIGITAL TEMPERATURE SENSORS



MEAS KPSI 380

Accuracy	±0.1°C
Range	-20°C to 60°C
Connection	Open port nosepiece
Output	SDI - 12, RS-485
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø19.0 x 127.0
Typical Applications	Groundwater monitoring, surface water monitoring, storm water, dam operations and stream gaging

ANALOG LEVEL SENSORS

1" Bore



MEAS KPSI 700, 710, 720

Accuracy	±1.00%, ±0.50%, ±0.25% FSO
Range	Custom ranges from: 2.3 - 700 ft H ₂ O (Vented) 10 - 700 ft H ₂ O (Sealed) 35 - 700 ft H ₂ O (Absolute)
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 86.6
Typical Applications	Groundwater monitoring, surface water monitoring, oceanographic research, pump control, life stations, landfill leachate
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe)



MEAS KPSI 730, 735

Accuracy	±0.10%, ±0.05% FSO
Range	Custom ranges from: 5 - 700 ft H ₂ O (Vented: KPSI 730) 0 - 5 ft H ₂ O to 0 - 700 ft H ₂ O (Sealed, Absolute: KPSI 730) 6 - 700 ft H ₂ O (Vented KPSI 735)
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 86.6
Typical Applications	Groundwater monitoring, surface water monitoring, oceanographic research, pump control, life stations, landfill leachate
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe)

0.75" Bore



MEAS KPSI 320, 330, 335, 342

Accuracy	±0.10%, ±0.05% FSO (KPSI 330, 335) ±0.25% FSO (KPSI 320) ±0.25% FS TEB (KPSI 342)
Range	Custom ranges from: 5 - 700 ft H ₂ O (Vented: KPSI 320, 330, 335) 10 - 700 ft H ₂ O (Vented KPSI 342) 0 - 5 ft H ₂ O to 0-700 ft H ₂ O (Sealed: KPSI 330, 342) 10 - 700 ft H ₂ O (Sealed: KPSI 320) 35 - 700 ft H ₂ O (Absolute: KPSI 320, 330, 342)
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC (KPSI 320, 330, 335) 4 - 20 mA (KPSI 342)
Operating Temp.	-20°C to 60°C (KPSI 320, 330, 335) -20°C to 85°C (KPSI 342)
Dimensions (mm)	Ø19.0 x 151.0
Typical Applications	Groundwater monitoring, surface water monitoring, oceanographic research, pump control, lift stations, landfill leachate, tailrace and forebay monitoring
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe) (KPSI 320, 330, 335) CE, WEEE, RoHS (KPSI 342)



MEAS KPSI 300DS

Accuracy	±0.50% FSO
Range	Custom ranges from: 700 - 6,921 ft H ₂ O
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø19.0 x 215.0
Typical Applications	Down hole, level control, pump control
Agency Approvals	CE, WEEE, RoHS

LEVEL SENSORS

OEM Level Sensors



MEAS KPSI 705

Accuracy	±0.25% FSO
Options	Optional ETFE
Range	Custom ranges from 6 - 115 ft H ₂ O
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 86.6
Typical Applications	Wastewater, lift stations, pump control, slurry tank liquid level, tank level
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe)



MEAS KPSI 745, 750

Accuracy	±0.25% FSO
Options	Optional standoff (KPSI 745)
Range	Custom ranges from 10 - 115 H ₂ O
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	KPSI 745: Ø88.9 x 279.4 (With standoff) Ø88.9 x 253.3 (Without standoff) KPSI 750: Ø104.1 x 279.4
Typical Applications	Wastewater, lift stations, pump control, slurry tank liquid level, tank level
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe)



MEAS LTA, LT Series

Accuracy	±0.25% FSO
Options	Optional lightning protection
Range	0 - 1 psi up to 0 - 300 psi Custom ranges available
Max. Over-range	2X FS
Output	4 - 20 mA
Operating Temp.	-20°C to 60°C
Dimensions (mm)	LTA: Ø25.4 x 93.0 LT: Ø25.4 x 170.5 (Dependent on fitting)
Typical Applications	Pump control, tank liquid level, landfill leachate monitoring, construction bypass pumping, dewatering, lift station monitoring, submersible tank liquid level, liquid line pressure, slurry tank liquid level, wastewater
Agency Approvals	CE, WEEE, RoHS, with optional UL, CUL, and FM (Intrinsically safe)

OEM Level Sensors



MEAS LTB, LTR Series

Accuracy	±0.25% FSO
Options	Optional lightning protection
Range	0 - 11.5, 23.1, 34.6, 69.2, 115.4 ft H ₂ O Custom ranges available
Max. Over-range	2X FS
Output	4 - 20 mA, 0 - 5 VDC, 0 - 10 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 1.5 - 7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	LTB: Ø104.1 x 206.5 LTR: 287.1 with overmold conduit connection, 253.5 with gland seal conduit connection
Typical Applications	Pump control, tank liquid level, landfill leachate monitoring, construction bypass pumping, dewatering, lift station monitoring, submersible tank liquid level, liquid line pressure, slurry tank liquid level, wastewater
Agency Approvals	CE, WEEE, RoHS, with optional UL, CUL, and FM (Intrinsically safe)

NON-SUBMERSIBLE PRESSURE TRANSDUCERS



KPSI 27, 28

Accuracy	±0.5%, ±0.25%
Options	IP68 submersible option
Range	1 - 300 psi (Vented) 5 - 2000 psi (Sealed) 15 - 2000 psi (Absolute)
Max. Over-range	2X FS
Output	4-20 mA, 0-5 VDC, 0-2.5 VDC 0-4 VDC, 0-10 VDC, 1.5-7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 86.6
Typical Applications	Line pressure monitoring, pump and lift stations, pump control, tank level monitoring, underwater research
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe)



KPSI 30

Accuracy	±0.1%
Options	IP68 submersible option
Range	2 - 300 psi (Vented) 5 - 500 psi (Sealed, absolute)
Max. Over-range	2X FS
Output	4-20 mA, 0-5 VDC, 0-2.5 VDC 0-4 VDC, 0-10 VDC, 1.5-7.5 VDC
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 86.6
Typical Applications	Line pressure monitoring, pump and lift stations, pump control, tank level monitoring, underwater research
Agency Approvals	CE, WEEE, RoHS, UL and FM (Intrinsically safe)