

# WATER LEVEL SENSORS



## WATER LEVEL DATA LOGGERS



**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 - 200,000µs/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



**TruBlue Logger 255 Level**

Accuracy	0.05% FS TEB
Range	0 - 658 ft H <sub>2</sub> O
Max. Over-range	3X FS
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



**TruBlue Logger 275 Baro**

Accuracy	0.05% FS TEB
Range	8 - 16 psia
Max. Over-range	3X FS
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



**KPSI 500, 501**

Accuracy	±0.05% FS TEB (KPSI 500) ±0.01 ft H <sub>2</sub> 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



**KPSI 351, 353, 355**

Accuracy	±0.10% FS TEB (KPSI 353) ±0.05% FS TEB (KPSI 355) ±0.01 ft H <sub>2</sub> 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



**KPSI 600, 601 - Ceramic**

Accuracy	±0.05% FS TEB (KPSI 600) ±0.01 ft H <sub>2</sub> O (KPSI 601)
Range	10 - 230 ft (KPSI 600) 10 - 50 ft (KPSI 601)
Max. Over-range	5X FS
Output	SDI - 12, RS-485
Operating Temp.	-20°C to 60°C
Dimensions (mm)	Ø25.4 x 197.0
Typical Applications	Dissolved gas monitoring, trailrace egress monitoring, ground water monitoring, oceanographic research

## DIGITAL TEMPERATURE SENSORS



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

### KPSI 380

## ANALOG LEVEL SENSORS

1" Bore



	KPSI 700, 710, 720	KPSI 730, 735
<b>Accuracy</b>	±1.00%, ±0.50%, ±0.25% FSO	±0.10%, ±0.05% FSO
<b>Range</b>	Custom ranges from: 2.3 - 700 ft H <sub>2</sub> O (Vented) 10 - 700 ft H <sub>2</sub> O (Sealed) 35 - 700 ft H <sub>2</sub> O (Absolute)	Custom ranges from: 5 - 700 ft H <sub>2</sub> O (Vented: KPSI 730) 0 - 5 ft H <sub>2</sub> O to 0 - 700 ft H <sub>2</sub> O (Sealed, Absolute: KPSI 730) 6 - 700 ft H <sub>2</sub> O (Vented KPSI 735)
<b>Max. Over-range</b>	2X FS	2X FS
<b>Output</b>	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
<b>Operating Temp.</b>	-20°C to 60°C	-20°C to 60°C
<b>Dimensions (mm)</b>	Ø25.4 x 86.6	Ø25.4 x 86.6
<b>Typical Applications</b>	Groundwater monitoring, surface water monitoring, oceanographic research, pump control, life stations, landfill leachate	Groundwater monitoring, surface water monitoring, oceanographic research, pump control, life stations, landfill leachate
<b>Agency Approvals</b>	CE, WEEE, RoHS, UL and FM (Intrinsically safe)	CE, WEEE, RoHS, UL and FM (Intrinsically safe)

## ANALOG LEVEL SENSORS

0.75" Bore



	KPSI 320, 330, 335, 342	KPSI 300DS
<b>Accuracy</b>	±0.10%, ±0.05% FSO (KPSI 330, 335) ±0.25% FSO (KPSI 320) ±0.25% FS TEB (KPSI 342)	±0.50% FSO
<b>Range</b>	Custom ranges from: 5 - 700 ft H <sub>2</sub> O (Vented: KPSI 320, 330, 335) 10 - 700 ft H <sub>2</sub> O (Vented KPSI 342) 0 - 5 ft H <sub>2</sub> O to 0-700 ft H <sub>2</sub> O (Sealed: KPSI 330, 342) 10 - 700 ft H <sub>2</sub> O (Sealed: KPSI 320) 35 - 700 ft H <sub>2</sub> O (Absolute: KPSI 320, 330, 342)	Custom ranges from: 700 - 6,921 ft H <sub>2</sub> O
<b>Max. Over-range</b>	2X FS	2X FS
<b>Output</b>	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)	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC
<b>Operating Temp.</b>	-20°C to 60°C (KPSI 320, 330, 335) -20°C to 85°C (KPSI 342)	-20°C to 60°C
<b>Dimensions (mm)</b>	Ø19.0 x 151.0	Ø19.0 x 215.0
<b>Typical Applications</b>	Groundwater monitoring, surface water monitoring, oceanographic research, pump control, lift stations, landfill leachate, tailrace and forebay monitoring	Down hole, level control, pump control
<b>Agency Approvals</b>	CE, WEEE, RoHS, UL and FM (Intrinsically safe) (KPSI 320, 330, 335) CE, WEEE, RoHS (KPSI 342)	CE, WEEE, RoHS

## LEVEL SENSORS

OEM Level Sensors



	<b>KPSI 705</b>	<b>KPSI 745, 750</b>	<b>LTA, LT</b>	<b>LTB, LTR</b>
<b>Accuracy</b>	±0.25% FSO	±0.25% FSO	±0.25% FSO	±0.25% FSO
<b>Options</b>	Optional ETFE	Optional standoff (KPSI 745)	Optional lightning protection	Optional lightning protection
<b>Range</b>	Custom ranges from 6 - 115 ft H <sub>2</sub> O	Custom ranges from 10 - 115 H <sub>2</sub> O	0 - 1 psi up to 0 - 300 psi Custom ranges available	0 - 11.5, 23.1, 34.6, 69.2, 115.4 ft H <sub>2</sub> O Custom ranges available
<b>Max. Over-range</b>	2X FS	2X FS	2X FS	2X FS
<b>Output</b>	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC	4 - 20 mA, 0 - 5 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 0 - 10 VDC, 1.5 - 7.5 VDC	4 - 20 mA	4 - 20 mA, 0 - 5 VDC, 0 - 10 VDC, 0 - 2.5 VDC, 0 - 4 VDC, 1.5 - 7.5 VDC
<b>Operating Temp.</b>	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
<b>Dimensions (mm)</b>	Ø25.4 x 86.6	KPSI 745: Ø88.9 x 279.4 (With standoff) Ø88.9 x 253.3 (Without standoff) KPSI 750: Ø104.1 x 279.4	LTA: Ø25.4 x 93.0 LT: Ø25.4 x 170.5 (Dependent on fitting)	LTB: Ø104.1 x 206.5 LTR: 287.1 with overmold conduit connection, 253.5 with gland seal conduit connection
<b>Typical Applications</b>	Wastewater, lift stations, pump control, slurry tank liquid level, tank level	Wastewater, lift stations, pump control, slurry tank liquid level, tank level	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	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
<b>Agency Approvals</b>	CE, WEEE, RoHS, UL and FM (Intrinsically safe)	CE, WEEE, RoHS, UL and FM (Intrinsically safe)	CE, WEEE, RoHS, with optional UL, CUL, and FM (Intrinsically safe)	CE, WEEE, RoHS, with optional UL, CUL, and FM (Intrinsically safe)

## NON-SUBMERSIBLE PRESSURE TRANSDUCERS

OEM Level Sensors



	<b>KPSI 27, 28</b>	<b>KPSI 30</b>
<b>Accuracy</b>	±0.5%, ±0.25%	±0.1%
<b>Options</b>	IP68 submersible option	IP68 submersible option
<b>Range</b>	1 - 300 psi (Vented) 5 - 2000 psi (Sealed) 15 - 2,000 psi (Absolute)	2 - 300 psi (Vented) 5 - 500 psi (Sealed, absolute)
<b>Max. Over-range</b>	2X FS	2X FS
<b>Output</b>	4-20 mA, 0-5 VDC, 0-2.5 VDC 0-4 VDC, 0-10 VDC, 1.5-7.5 VDC	4-20 mA, 0-5 VDC, 0-2.5 VDC 0-4 VDC, 0-10 VDC, 1.5-7.5 VDC
<b>Operating Temp.</b>	-20°C to 60°C	-20°C to 60°C
<b>Dimensions (mm)</b>	Ø25.4 x 86.6	Ø25.4 x 86.6
<b>Typical Applications</b>	Line pressure monitoring, pump and lift stations, pump control, tank level monitoring, underwater research	Line pressure monitoring, pump and lift stations, pump control, tank level monitoring, underwater research
<b>Agency Approvals</b>	CE, WEEE, RoHS, UL and FM (Intrinsically safe)	CE, WEEE, RoHS, UL and FM (Intrinsically safe)