



Beverages

Levelese™ continuous level monitors for stream or pond level sensing, the simple, value and accuracy leader for your liquid level needs.

Specified, patented and designed by engineers with half a century's individual experience in level instrumentation, patented **Levelese** has been proven to operate in the most stringent environments and is not affected by turbulence or foam.

Levelese continuous water level monitors are:

- Easy to install and maintain
- Highly reliable
- Without moving parts
- With wide rangeability from 3 ft to more than 166 ft
- With negligible sensing errors
- Operating in explosive, corrosive and extreme environments
- With multiple output signals for wide applications

Using the principle of buoyancy the **Levelese** level measuring system weighs an inert chain, secured below the fluid surface and determines the inverse of liquid level and converts it to an analog or digital electronic signal for



indication, alarming or continuous or on-demand transmission.



Water



Oil & Chemicals



Transportation

Applications:

- Stream or pond level monitoring
- Irrigation
- Waste water storage
- Settling ponds

Specifications:

Level Ranges: 1 inch to 100 ft
 Ranges:
 0-0.5 Ft to 100 Ft.
 Suppressed Zero Ranges

Materials of construction: low copper powder coated Aluminum, Stainless steel

- Accuracy: Better than $\pm 0.15\%$ FS
 Linearity: Better than 0.98% FS
 Hysteresis: Better than 0.03% FS
 Temperature range: -30 to +65°C
 Power required, various for application
- 12 Vdc @22 mA for transmitters
 - 117 VAC, 24 VDC w/Displays
 - Rechargeable batteries

Output/Display

4-20 mA,
 HART®, wireless & smart transmitters, Modbus®, Ethernet®, Wireless
 Linear level or characterized flow
 Bargraph w/3 Digit Display
 4 ½ Digit LCD Display
 Multi-point SCADA, Graphic

Accessories:

- Stream Mounting Kit
- Stilling Wells
- NEMA4 X , XP, Intrinsic Safe
- Flow Elements
- Bar-Graph-DPM Displays



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SPECIFICATIONS

Specifications:

Level Ranges: 6 inches to 166 ft

Ranges:

0-16 Ft

0-33 Ft

0-83 Ft

0-166 Ft

Suppressed Zero Ranges

(Absolute depth of fluid does not affect the measured range)

Materials of construction: low copper powder coated Aluminum, Stainless steel

Accuracy: Better than $\pm 0.15\%$ FS

Linearity: Better than 0.98% FS

Hysteresis: Better than 0.03% FS

Temperature range: -30 to +65oC

Power required, various for application

- 12 Vdc @22 mA for transmitters
- 117 VAC, 24 VDC w/Displays
- Rechargeable batteries

Output/Display

4-20 mA

HART, Fieldbus, hard wired or wireless analog & smart transmitters,

Modbus, Ethernet

Bargraph w/3 Digit Display

4 ½ Digit LCD Display

Multi-point SCADA, Graphic

Accessories:

100W Pt 385 RTD

Stream Mounting Kit

XP or Intrinsically Safe Certification

IS level systems,

Class I, Div 1, Groups C&D

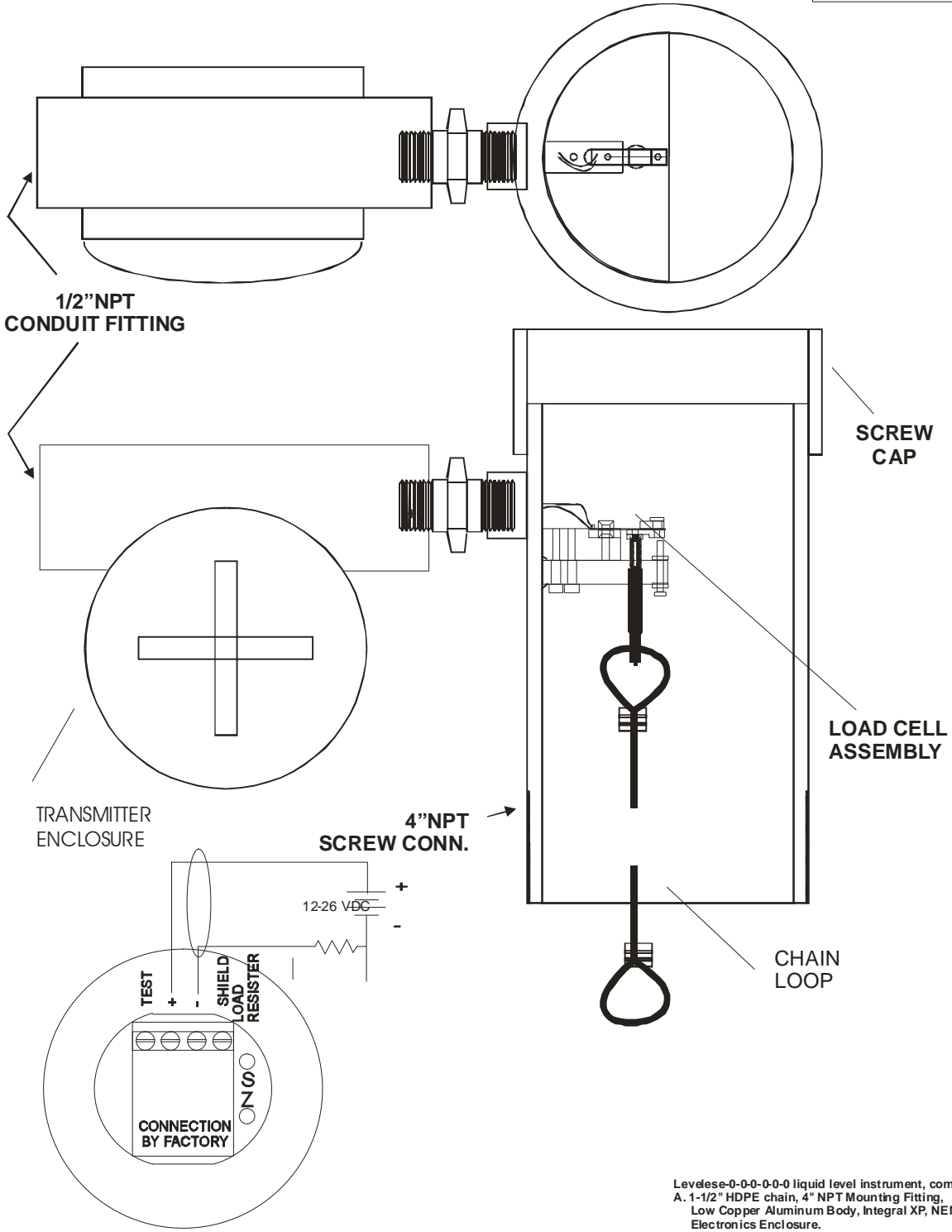
HOW TO ORDER

	Body	Output	IS	Power	Mounting	Calibration	Description
Levelse Level Sensor	0						Levelse liquid level instrument, complete with 1 1/2" HDPE chain, 4" NPT Mounting Fitting, Low Copper Aluminum Body, Integral XP, NEMA 4 Electronic Enclosure. Accuracy: Better than +/- 0.15% FS Linearity: Better than 0.98% FS Hysteresis: Better than 0.03% FS Temperature Range: -30 to +65 Deg C
	1						Other Materials or Pressure Ratings
	1316 SS						316 Stainless Steel Body & Parts. ADD.....
	1PVC						PVC Body, 316 SS Chain Attachment, Viton Diaphragm Seal, Integral NEMA4X Polycarbonate Dual-Compartment Electronic Enclosure.
		0					2-Wire 4-20 Integral Analog 4-20 mA Transmitter, 12-26 VDC
		1					1200 Ohm Load Cell, 5-12 VDC Excitation, 2 mA/V Output
		2					MODBUS™ Transmitter...ADD
		3					HART™, FIELDBUS Smart 2-Wire Transmitter...ADD
		4					900 GH Wireless Transmitter...ADD 2.4 GH Wireless Transmitter...ADD
				0			12-24 VDC Regulated Power Supply (by Others)
				1			117 VAC Power Supply, External, for 6 Sensors
				2			Rechargeable batteries in Enclosure on Sensor
			0				Standard Integrally Mounted Single Compartment Enclosure, XP for Class 1, Div 2,
			1				NEMA4X Corrosive Service, Dual Compartment Enclosure
			2				XP, Dual Compartment Enclosure, for Class 1, Div 2, Groups
			3				Certified XP Enclosure for Class 1, Div 2, Groups B, C, D...ADD
			4				Certified XP or IS for Class 1, Div 1, Groups C & D...ADD
					0		Standard 4" NPT Screw Mounting
					1		Low-Pressure (150 psi) Aluminum Pipe Flange Fitting 4" Pipe Size X 9" OD...ADD
					2		Low-Pressure (150 psi) Aluminum Pipe Flange Fitting 6" Pipe Size X 9" OD...ADD
					3		Low-Pressure (150 psi) Aluminum Pipe Flange Fitting 8" Pipe Size X 9" OD...ADD
					4		Other Materials or Pressure Ratings
					0		2 Point Level Standard Calibration in Water
					1		3 Point Level Calibration in Water
					2		5 Point Level Calibration in Water
					3		Other Calibration



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NOTE: SPECIFICATIONS & DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE



- Levelese-0-0-0-0-0 liquid level instrument, complete with
- A. 1-1/2" HDPE chain, 4" NPT Mounting Fitting, Low Copper Aluminum Body, Integral XP, NEMA 4 Electronics Enclosure.
 - B. 2-Wire 4-20 Integral Analog 4-20 mA Transmitter, 12-26 VDC
 - C. Standard Integrally Mounted Single Compartment Enclosure, XP for Class 1, Div 2, Groups C & D
 - D. 12-24 VDC Regulated Power Supply (by Others)
 - E. Standard 4" NPT Screw Mounting
 - F. 2 Point Level Standard Calibration in Water

Description: **LEVELESE-0-0-0-0-0 LEVEL SENSOR**
 Material:
 Drawn By: **SAO** | Date: **05-05-09** | Checked by: **SKIP**

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 Phone: 303-564-1425 Tolerances $\pm 0.005"$, L & -1 DEG

