Model 592 Detachable Level Transmitter



MODEL 592 DETACHABLE LEVEL TRANSMITTER

0-40" THRU 335' WC, PUR CABLE STANDARD, PP-HT HOUSING, STAINLESS STEEL SENSOR

The Model 592 allows for a quick sensor swap without the removal of the installed polyurethane standard cable. Common configurations in 592 series are stock items. PVC, TPE and FEP cables are also available. Sensor head and/or cable can be ordered separately. A complete range of accessories for use in level applications are available, many from stock.

PERFORMANCE

Pressure Ranges	0 - 40" W.C. up to 0 - 335 Ft W.C. (Or equivalent in Meters or PSI)
Accuracy [Combined Non-Linearity (BFSL), Hysteresis & Repeatability]	For ranges ≥ 15 Ft. W.C. ≤ +/-0.35% FSO For ranges < 15 Ft. W.C. ≤ +/- 0.50% FSO
Compensated Temperature Range	32° to 122° F (0 to 50° C)
Operating Temperature Range	32° to 122° F (0 to 50° C) Note: Medium must not freeze near sensor
Storage Temperature Range	14° to 122° F (-10 to 50° C)
Long Term Stability (%FSO)	≤ +/- 0.1% FSO / year (At reference conditions)
Thermal Effect on Zero	≤ +/- 1.1% FSO per 100° F
Thermal Effect on Span	≤ +/- 1.1% FSO per 100° F

ELECTRICAL

Output Signal	4-20 mA
Supply Voltage	8 - 32 Vdc
Power Supply Regulation	< +/- .005% FSO per volt
Circuit Protection	Reverse polarity protected, CE marked
RFI / EMI	CE EMC compliant as per IEC EN 61326
Voltage Spike Protection	Withstand 1000 volt spike per EN 61000
Response Time	<10 mSec

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199 Fire Tower Drive, Tonawanda, New York 14150 USA USA Phone: 716.629.3800 Toll Free: 800.688.0030 Fax: 716.693.9162 Email: solutions@viatran.com

Model 592 Detachable Level Transmitter

Detachable

RoHS Compliant

IP-68 Rated

Low Pressure Applications

Polypropylene - High Temperature Body

The Model 592 Detachable Level Transmitter allows for a quick sensor swap without the removal of the installed cable. No special tools are required. Simply pull up the sensor, twist the sensor coupling sleeve till it is no longer engaged and then simply separate the two halves.

Common ranges of 592 are available with 2 day turn as part of Viatran's RapidShip Program.

592 is constructed of a Polypropylene High Temperature (PP-HT) housing and 316L stainless steel sensor module, with a polyurethane cable as standard. Different cable materials and o rings are available.

Use it to measure Liquid Level and Depth for Water and Waste Water applications, at Lift Stations, Reservoirs and Dams, Rivers, Holding Ponds, Wells, In-ground / Above Ground Tanks and with Inventory Tank Gauging.

Ranges from 0-40"WC thru 15 'WC have combined accuracy of +/- .50% FSO

Ranges greater than 15' WC have combined accuracy of +/- .35% FSO

Viatran also offers a complete range of accessories for use in level

MECHANICAL

Pressure Connection	Protective POM cap
Ingress Protection	ip 68
Overpressure Limit	4x Minimum
Burst Pressure	5x Minimum
Weight	0.9 lbs. (without cable)

MATERIALS OF CONSTRUCTION

Housing	PP-HT (Polypropylene High Temperature)
Sensor Diaphragm	316L stainless steel
O-ring Seals	FKM (Standard) or EPDM (Optional)
Protective Cap	POM (Polyoxymethylene)

OPTIONS

EA	Special Calibration Run
PW	Calibrate Transmitter with Meter / Display

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applications such as a surge protector, cable hangers and weights, meters and junction boxes. Replacement sensor heads and/or

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CE Declaration of Conformity

CE Declaration of Conformity (RoHS)

Russian Metrology Certification

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