# Model 59C





## A submersible level transmitter for highly aggressive chemical media!

- The 59C provides Depth and Level measurements while submerged in viscous or aggressive media. Well suited for chemical tank volume or level monitoring.
   The semi-flush ceramic sensing face resists clogging and is easily cleaned.
- The Viatran Model 59C is a submersible transmitter specifically designed to withstand aggressive media. Its high purity ceramic sensor and PP or PVDF housing counter liquids that may otherwise be destructive.
- ◆ Available in ranges from 0-16 inches W.C. to 0-335 Feet W.C.
- Polyurethane (PUR), Thermoplastic elastomer (TPE) & Fluorinated Ethylene-Propylene (FEP) cables are offered.
- Liquid Level & Depth, Water & Wastewater, Lift Stations, Leachate Collection, Holding Ponds, Wells, In-ground/Above Ground Chemical Tanks, and Inventory Tank Gauging.





Performance	Pressure Ranges From	0-16 inches W.C. to 0-335 Feet W.C.			
	Accuracy[Combined Non-Linearity (BFSL), Hysteresis & Repeatability]	≤ +/-0.35% FSO			
	Compensated Temperature Range	32° to 158° F (0 to 70° C)			
	Operating Temperature Range	13° to 212° F (-25 to 100° C) Note: Medium must not freeze near sensor			
	Storage Temperature Range Long Term Stability (%FSO) Thermal Effect on Zero	+/- 0.1% FSO / year at reference conditions			
	Thermal Effect on Span	·			
Electrical	RFI/EMI Voltage Spike Protection	10-32 Vdc< +/005% FSO per voltReverse polarity protected, CE markedCE EMC compliant as per IEC EN 61326Withstand 1000 volt spike per EN 61000			
Mechanical	Pressure Connection Ingress Protection	Open Face/Semi-flush IP 68			
	Overpressure Limit Weight	6x Minimum (> 200 Ft. range = 3.5x)0.7 lbs. (without cable)			
Materials of Construction	HousingSensor Diaphragm	PUR, FEP or TPE			





How to Order	MODEL	UNITS OF P PRESSURE	PRESSURE RANGE	BODY MATERIAL	SEALS	CABLE FORMAT	CABLE LENGTH	OPTIONS
	59C	(1 digit)	(4 digits)	(2 digits)	(2 digits)	(2 digits)	(3 digits)	(2 digits)

#### **Units of Pressure**

F Feet of Water Column
I Inches of Water Column
M Meters of Water Column

P PSI

## **Pressure Range**

Any Range from 0-16 inches W.C. up to 0-335 Feet W.C. can be specified at no addional cost. (Ranges must be in Inches WC or Feet WC)

#### Example of Four Digit Codes:

Range		Four Digit Codes for Range				
5	=	5	0	0	0	Insert Range Code 5000
10	=	1	0	0	1	Insert Range Code 1001
15	=	1	5	0	1	Insert Range Code 1501
50	=	5	0	0	1	Insert Range Code 5001
100	=	1	0	0	2	Insert Range Code 1002
250	=	2	5	0	2	Insert Range Code 2502
835	=	8	3	5	2	Insert Range Code 8352

#### **Body**

PP Polypropylene (PP)

PV Polyvinylidene Fluoride (PVDF)

#### Seals

GK Fluoroelastomer (FKM)
GD Ethylene Propylene (EPDM)

## **Cable Format**

TL Polyurethane Cable (PUR) \*Stocked in select lengths for fast delivery

PA Fluorinated Ethylene-Propylene (FEP)
PB Thermoplastic Elastomer (TPE)

## Cable Length

XXX Listed in Whole Meters Only (must be 3 digits - ex. 012 = 12 Meters)

## **Options**

EA Special Calibration Run
PW Calibrate item with meter/display

Information is accurate to the best of Viatran's knowledge. We reserve the right to change specifications at any time.

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<sup>\*</sup>Consult factory for range code

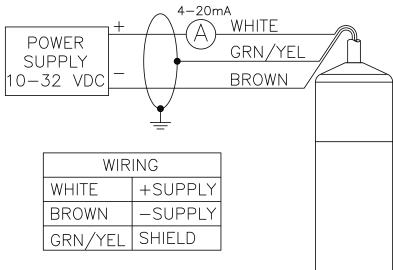
<sup>\*\*</sup>Please advise if specific gravity is other than 1

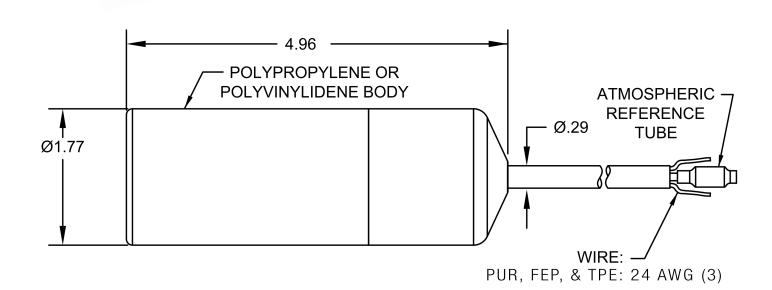
## **Connection Diagrams & Wiring**

The standard wiring of your Viatran Model 59C level transmitter is outlined below. The wiring information is also marked on your unit.

The 59C level transmitter can be powered by a DC power supply ranging from 10 to 32 volts. See installation manual for more details.







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