

Small Size – Engineered Plastics

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Ordering is Easy! See Instructions on Page H-4.

XMP/XTP-800 Series Delivers Excellent Chemical Compatibility

- ▶ PVC, Polypropylene or PVDF Materials
- ▶ 1/4" Resolution
- ▶ Lengths to 70 inches

Specifically designed to monitor chemical tanks and vats, the XMP-800 Series provides superb resistance to corrosive liquids and vapors. Use XMP-800 transmitters with GEMS Digital Bargraph Display Receiver or Level Cube Receivers described in this catalog. The XTP-800 Series adds a choice of signal conditioning for use with GEMS digital bargraph display receivers or other digital instrumentation and control equipment.

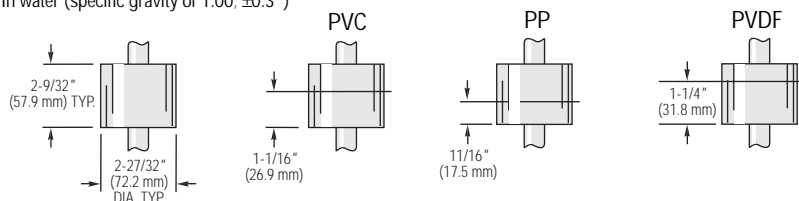


1. Mounting Types

	Type A 1" NPT	Type B 3" NPT	Type C 3" 150# Flange
XMP-800 Dimensions			
XTP-800 Dimensions			
Stem, Mounting and Float Stop Material	PVC, Polypropylene or KYNAR® (PVDF)		
Operating Temperature	See Chart, Next Page		
Operating Voltage	10-30 VDC		
Overall Length, Max.	70" (177.8 cm); please consult factory for longer lengths		

2. Float Types

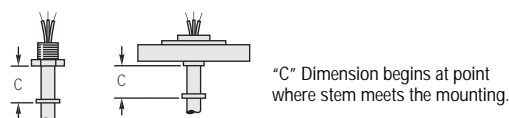
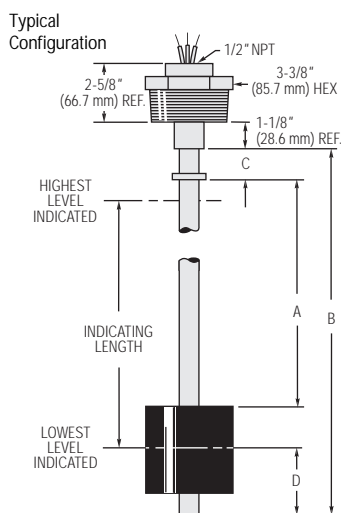
Float submersion depths:
In water (specific gravity of 1.00; ±0.3%)



Material	Min. Liq. Specific Gravity	Part Number	Maximum Pressure vs. Temperature								
			0°F (17.8°C)	70°F (21.1°C)	100°F (37.8°C)	125°F (51.7°C)	140°F (60.0°C)	170°F (76.7°C)	200°F (93.3°C)	210°F (98.9°C)	
PVC	.60	61326	50 PSI	50 PSI	35 PSI	20 PSI	10 PSI				
Polypropylene	.40	61327	50 PSI	50 PSI	40 PSI	35 PSI	30 PSI				
PVDF	.75	61328	50 PSI	50 PSI	45 PSI	40 PSI	35 PSI	30 PSI	25 PSI	25 PSI	

■ = Not recommended at these temperatures

3. Dimensions



- A: Float Travel = Indicating Length + 5/8" (15.9 mm)
- B: Overall Length (Not to exceed 70 inches) = Indicating Length + 3-1/2" (88.9 mm) + C
- C: Distance to Float Stop = 3/8" (9.5 mm) Min. With Float Stop; 0" Without Float Stop (specified by customer)
- D: Distance Lowest Level Indicated to End of Stem = 1-7/8" (47.6mm) to centerline of float.

- Notes:
1. The centerline of the float is used as a standard reference point for minimum and maximum levels indicated.
 2. Indicating length must be specified in even increments of 1/2".
 3. Bottom support is recommended for units longer than 36" or in applications with turbulent conditions.

4. Input/Output

For XMP-800 Series, no special output designation is necessary.
For XTP-800 Series, specify the desired signal conditioning by Part Number.
Additional information about GEMS signal conditioning modules is found on Page H-8.

Series	Input Voltage	Output Signal	Part Number	Electrical Termination	Compatible Mountings			
					Type A	Type B	Type C	
XMP-800	10 to 30 VDC	Proportional Voltage	-	Lead Wires (3), #22 AWG 24" (60.9 cm), Polymeric Jacket	•	•	•	
	8 to 24 VDC	0-5 VDC*	51965	Lead Wires, #22 AWG, 24" (60.9 cm), PTFE Jacket	•	•	•	
	14 to 30 VDC	0-12 VDC*	51970		•	•	•	
XTP-800	8 to 24 VDC	0-5 VDC	154687	ABS Junction Box		•	•	
	15 to 30 VDC	0-12 VDC	154685			•	•	
	18 to 30 VDC	0-12 VDC with Hi and Low Alarms**	154091-1			•	•	
	10 to 40 VDC	4-20 mA	116970			•	•	•
		4-20 mA	112300		Panel Mount with Plug-In Base	•	•	•

* Stem mounted.
** Consult factory for other alarm functions.

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860-747-4244

Photocopy This Form
Use one form for each product type you are selecting.

Page# _____ Name _____
 Company _____
 Street _____
 City _____ State _____ Zip _____
 Phone (____) _____ Fax (____) _____
 This is a Request for a Quote Order P.O.# _____
 Quantity Needed _____ Date Required ____/____/____
 Shipping Method: _____ Partial Accepted: Yes No

Float Type Level Transmitters – Small Size, Engineered Plastics (Pages H-9 & H-10)

Application Environmental Conditions

This information is essential to the accurate and proper operation of your GEMS configurable sensors. Please complete fully and accurately.

1. **Liquid Media:** _____
 2. **Pressure:** Minimum _____ psig Maximum _____ psig
 3. **Temperature:** Minimum _____ °F Maximum _____ °F

4. **Specific Gravity:** Minimum _____ Maximum _____
 5. **Viscosity:** _____ SSU
 6. **Tank Material:** _____
 Tank Depth: _____
 7. **Unit is Mounted In:** Tank Top Tank Bottom

1. Series:

- XMP-800 XTP-800

3. Mounting and Stem Material:

- PVC Polypropylene PVDF

2. Mounting Type:

- Type A Type B Type C

4. Float Type:

- PVC (61326) Polypropylene (61327) PVDF (61328)

5. Dimensions:

a. Overall Length:
 Indicating Length C Dimension
 _____ + _____ " + 3-1/2" = " 70" (177.8 cm) maximum.

Notes:

1. Consult factory for longer lengths.
2. Indicating Length: 1/2" Increments.
3. C Dimension: 3/8" minimum when float stop is used; 0" minimum when no float stop is used.

6. Input/Output:

- a. Optional 24 VDC Power Supply:
 115 VAC input 230 VAC input
- b. Signal Conditioners (XTP-800 Series Only):
 51965 51970 154687
 154685 116970 112300
 154091-1

Optional Receivers – Section J

- The designated receiver is planned to be used with the transmitter specified above.

Receiver Part Number:

_____|_____|_____|_____|_____|_____|_____|_____|_____|_____| – _____

Note: Spaces are not completely filled out in all cases.

Please contact GEMS Sensors Inc. for any configuration or special requirements not covered on this form. **800-321-6070**

Quote \$ _____ Date Quoted ____/____/____



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ORDER IT!
FLOAT TYPE LEVEL TRANSMITTERS – ENGINEERED PLASTICS