

Small Size – Engineered Plastics

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.



ORDER IT!

Ordering is Easy! See Page C-19.
Easy online ordering too!

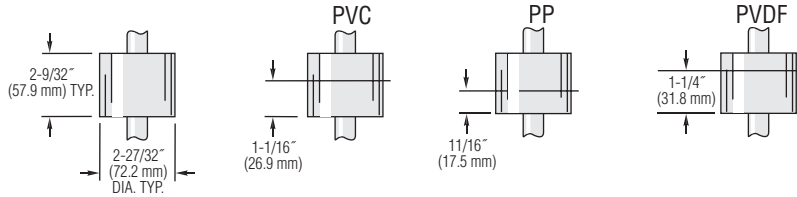
LEVEL SENSORS – CONTINUOUS

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; $\pm 0.3''$)

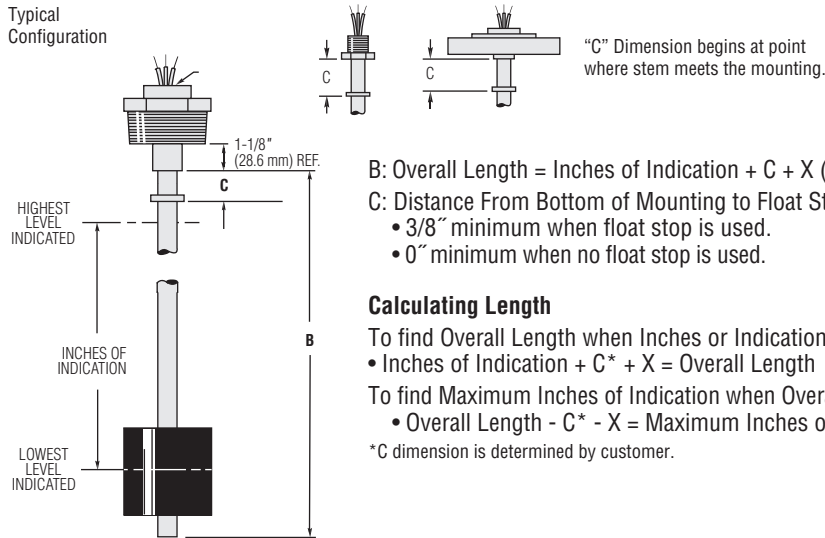


Material	Min. Liq. Specific Gravity	Part Number	Maximum Pressure vs. Temperature							
			0°F (17.8°C)	70°F (21.1°C)	100°F (37.8°C)	125°F (51.7°C)	140°F (60.0°C)	170°F (76.7°C)	200°F (93.3°C)	210°F (98.9°C)
PVC	.60	61326	50 PSI	50 PSI	35 PSI	20 PSI	10 PSI			
Polypropylene	.40	61327	50 PSI	50 PSI	40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

Typical Configuration



- B: Overall Length = Inches of Indication + C + X (See Table at Right)
C: Distance From Bottom of Mounting to Float Stop (Customer Specified):
• 3/8" minimum when float stop is used.
• 0" minimum when no float stop is used.

Calculating Length

To find Overall Length when Inches or Indication is known:

- Inches of Indication + C* + X = Overall Length

To find Maximum Inches of Indication when Overall Length is known:

- Overall Length - C* - X = Maximum Inches of Indication

*C dimension is determined by customer.

Float Factor – X

Float Part Number	X
61326	3.5" (88.9)
61327	3.5" (88.9)
61328	3.5" (88.9)

Inch (mm)

4. Input/Output

For XM Series, no special output designation is necessary.

For XT Series, specify the desired signal conditioning by Part Number.

Additional information about GEMS signal conditioning modules is found on Page C-23.

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	•	•	•
XTP-800	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		•	•	•
	8 to 24 VDC	0-5 VDC	154687			•	•
	15 to 30 VDC	0-12 VDC	154685	ABS Junction Box		•	•
	10 to 40 VDC	4-20 mA	116970			•	•
		4-20 mA	112300	Panel Mount with Plug-in Base	•	•	•

* Stem mounted.

FAXIT!
860-747-4244

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

This is a ☐ Request for a Quote
☐ Order P.O.# _____

Quantity Needed _____

Date Required ____/____/____

Shipping Method: _____

Partials Accepted: ☐ Yes
☐ No

Name _____

Company _____

Street _____

City _____ State ____ Zip _____

Phone (____) _____

Fax (____) _____

Float Type Level Transmitters – XMP/XMT-800 Series

Small Size, Engineered Plastics

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:

☐ 61326 – PVC ☐ 61327 – Polypropylene ☐ 61328 – PVDF

5. Dimensions:

a. Overall Length:

Indicating Length C Dimension X
_____ + _____" + 3.5" = 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 (0-5 VDC – stem)
- ☐ 51970 (0-12 VDC – stem)
- ☐ 154687 (0-5 VDC – J-box)
- ☐ 154685 (0-12 VDC – J-box)
- ☐ 116970 (4-20 mA – J-box)
- ☐ 112300 (4-20 mA – panel mount)

Please contact GEMS Sensors Inc. for any configuration or special requirements not covered on this form. **800-378-1600**

Quote: \$ _____ Date Quoted: ____/____/____



Gems Sensors Inc.
One Cowles Road
Plainville, CT
06062-1198

tel 860.747.3000
fax 860.747.4244
www.gemssensors.com