

NML-310 LIQUID LEVEL TRANSDUCER



Flow
Pressure
Level
Temperature
measurement
monitoring
control



- All Plastic Wetted Parts
- All Teflon® Wetted Parts Available
- Excellent for use with Aggressive Chemicals
- Continuous Level Measurement
- Analog Output via Head Mounted Transmitter
- Compact Design
- Undisturbed by Foaming
- Vapor Insensitive
- Liquid Interface Detection

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Model:
NML-310

Model NML-310: Synthetic

The NML-310 are synthetic (non-metallic wetted parts) float level transducers suitable for level measurement in vessels of up to 108 inches in height. Floats are made from PTFE (Teflon®). Tubes are 316SS clad with PFA or PTFE (Teflon®). Flanges and fittings are available in Polyethylene (PE), polypropylene (PP), PVC and PTFE (Teflon®). The use of 2" NPT fitting or flange accommodates the diameter of the float and allows the units to be installed from the top of the vessel or mounting bracket, without removing the float.

Each transducer comes with a NEMA 4 housing. Variable resistance or analog level signals are available as outputs.

Specifications

- Minimum Length:** 12 inches
- Maximum Length:** 108 inches
- Resolution:** ± 0.4 inch
- Dead Band:** 1.5 inch (bottom)
1.25 inch (top)
- Wetted Parts**
- Stem:** PFA (std.) or PTFE (Teflon®) clad
- Float:** PTFE (Teflon®)

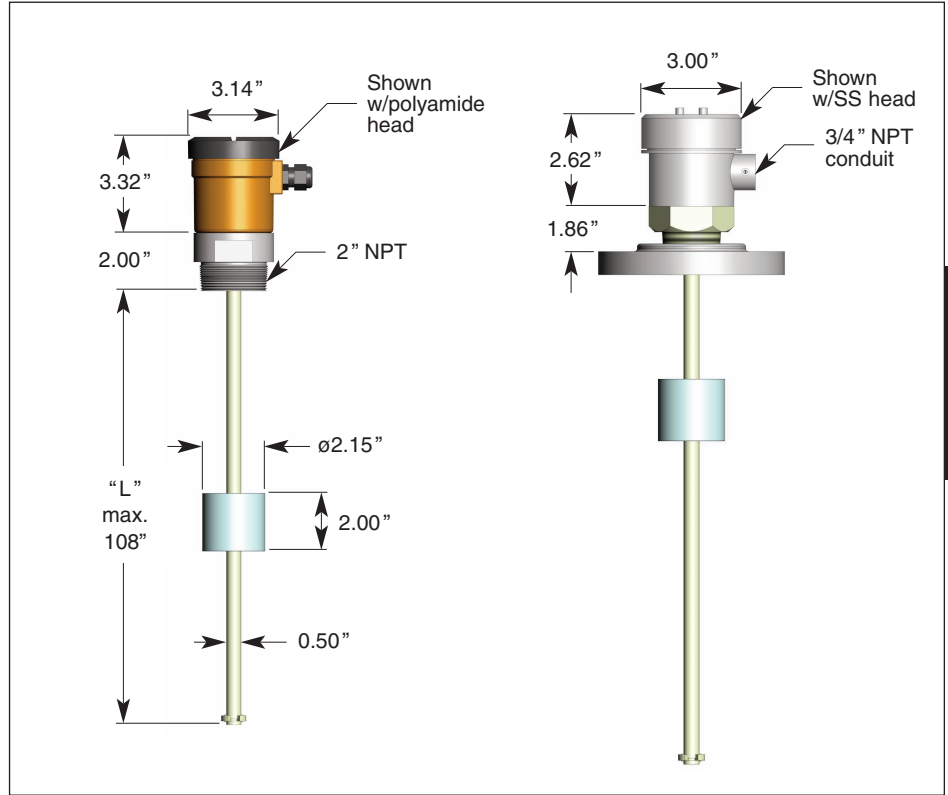
- Fitting Types:** 2" NPT male or 2", 2.5", 3", 4" ANSI flange
- Fitting Material:** PE, PP, PVC or PTFE (Teflon®)
- Flange Material:** PE, PP, PVC or PTFE (Teflon®)
- Minimum Liquid Specific Gravity:** 0.8 Min. recommended

- Operating Temperature Range**
- PVC/PE:** - 4 to 140 °F
- Polypropylene:** - 4 to 190 °F
- PTFE (Teflon®):** - 4 to 250 °F

- Max. Pressure:** 40 PSIG @ 70 °F
- Terminal Box:** Polyamide or 316SS
- Protection:** NEMA 4X/IP65

- Electrical Data**
- Input Voltage:** 12-32 VDC
- Output:** 4-20 mA, 2-wire
0-5 VDC, 3-wire
0-10 VDC, 3-wire
0-5000Ω ±10%

- Sensing Voltage:** 5 VDC max.
- Sensing Current:** 2.5 mA max.



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NML-310 Ordering Information	
NML-310	= Float Level Transmitter, Synthetic
-1	= Polyamide NEMA 4X/IP65
-2	= Stainless Steel 316 NEMA 4X/IP65
-PE	= Polyethylene
-PP	= Polypropylene
-PV	= PVC
-PF	= PTFE (Teflon®)
-N9	= 2" NPT fitting
-FL9	= 2" 150lb. ANSI flange
-FLA	= 2.5" 150lb. ANSI flange
-FLB	= 3" 150lb. ANSI flange
-FLC	= 4" 150lb. ANSI flange
-A	= 4-20 mA output
-B	= 0-5 VDC output
-C	= 0-10 VDC output
-W	= Resistive, 0-5000Ω output
-1	= PFA (Teflon®) std.
-2	= PTFE (Teflon®)
-L	= specify probe length (in inches, 108" max.)
NML-310 -1 -PE -N9 -A -1 -L=48"	Sample NML-310 Specification