

## 97401 U-Tube Type Manometer

The S&J 97401 U-Tube Type Manometer is a direct reading single tube type gauge, that provides highly accurate, easy to read pressure measurements. Standard Green Fluid with specific gravity of 1.0 is used in the manometer.

The S&J 97401 U-Tube Type Manometer is used to gauge pressures at critical points in gas-train systems. Pressure, vacuum or differential pressure can be gauged to provide complete monitoring of the gas-train system.

Typical applications that the 97401 can be used in include anaerobic digester tanks/gas trains, boiler lines, engines, various plant utility lines and flares/waste gas burners.

Easy panel mounting of the manometers provides a convenient single point for monitoring various pressures in the system. The manometer have simple in-place scale adjustment.

### Specifications:

#### Duplex Scale:

Graduated in English Units - Inches and Tenths W.C.  
or Metric Units - Millimeters and Centimeters

#### Fluid:

Green Fluid (Standard)

#### Indoor/Outdoor Wall Panel Mounting:

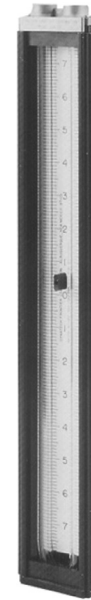
Aluminum, Steel, Stainless Steel

#### Float Check Valve:

A Float Check Valve should be installed on the atmospheric and / or pressure side of each manometer. The valve closes as pressure surges beyond the manometer range, and opens when normal pressure is restored.

#### Moisture and Sediment Trap or Line Traps:

Line Traps are an inexpensive means to keep manometers and indicating fluids clean are recommended for installations. When installed in the line ahead of the manometer they permit entrained solids to settle out before they reach the manometer. When used with gases or vapors they trap moisture.



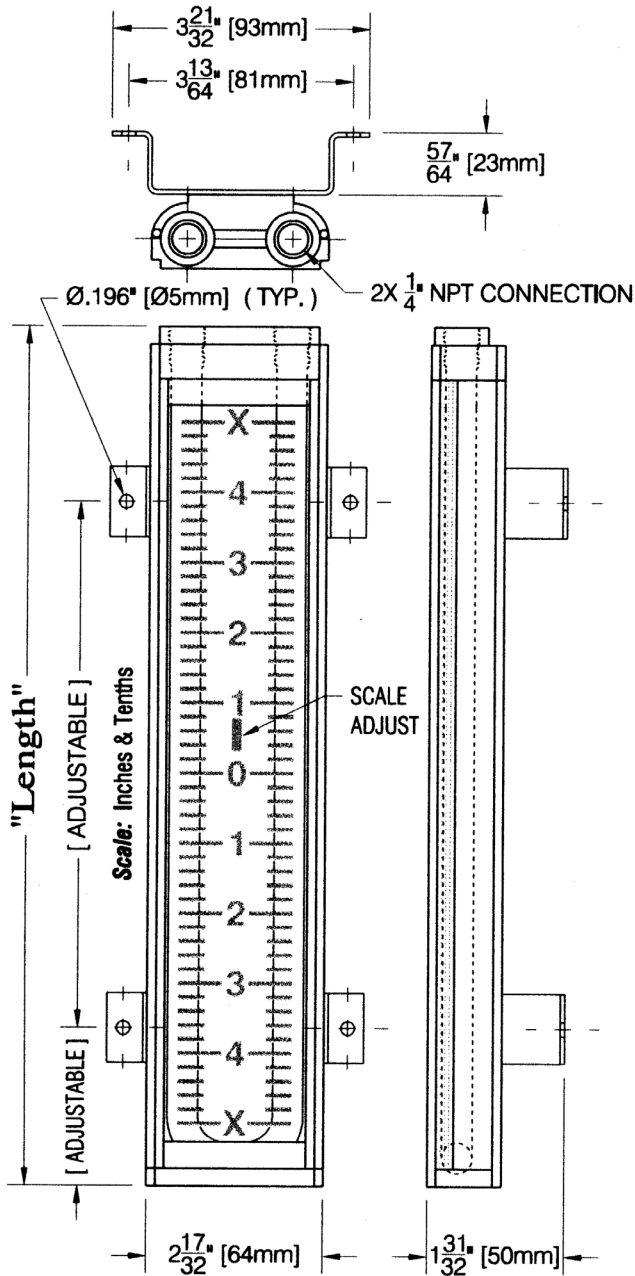
## Features

- Pressure or Vacuum Measurement
- Measures Differential or Point Pressure Readings
- Indoor or Outdoor Use
- Sizes 6", 10", 15", 20", 24", 30", 36", 50"
- Easily Panel Mounted
- Extruded Aluminum, Anodized Finish

# 97401 U-Tube Type Manometer



## Outline Dimensions



Range	Length in Inches (mm)
6"	9 $\frac{5}{8}$ (244)
10"	14 $\frac{1}{4}$ (362)
15"	17 $\frac{15}{16}$ (455)
20"	23 $\frac{3}{16}$ (589)
24"	27 $\frac{1}{2}$ (698)
30"	33 $\frac{11}{16}$ (855)
36"	39 $\frac{15}{16}$ (1014)
50"	54 $\frac{5}{16}$ (1379)

All designs subject to change. Certified dimensions and specifications available upon request.

## 97401 Ordering Guide

### Model Number Selection

The model number will have a base number **97401** followed by 5 digit numbers. These digits will represent 4 sets of option tables.

### 97401 - AB - CD - E

**Table AB - Range**

Option AB	Range
06	+/- 3" W.C.
10	+/- 5" W.C.
15	+/- 7.5" W.C.
20	+/- 10" W.C.
24	+/- 12" W.C.
30	+/- 15" W.C.
36	+/- 18" W.C.
50	+/- 25" W.C.

**Table C - Scale Type**

Option C	Description
1	English
2	Metric

**Table D - Mounting Panel**

Option D	Description
0	No Mounting Panel
1	Aluminum Mounting Panel
2	Stainless Steel Mounting Panel
3	Steel Mounting Panel

Consult Factory for Multiple Unit Mounting Panels

**Table E - Accessories**

Option E	Accessories
0	None
2	Float Check Valve, Stainless Steel with Teflon Float
5	Moisture and Sediment Trap
6	Line Trap

### Accessories

Part Number	Description
9740-10054	Green Indicating Fluid S.G. = 1.0; 30°F - 100°F (standard)
9740-10061	Float Check Valve, 1/4" NPT, Stainless Steel with Teflon Float
9740-10080	Isolation Valve, 1/4" NPT, Bronze
9740-10282	20"/24" Mounting Panel Kit, Aluminum
9740-10283	20"/24" Mounting Panel Kit, Stainless Steel
9740-10280	12" Mounting Panel Kit, Aluminum
9740-10281	12" Mounting Panel Kit, Stainless Steel
9740-10284	30" Mounting Panel Kit, Aluminum
9740-10285	30" Mounting Panel Kit, Stainless Steel

Consult Factory for additional Indicating Fluids and temperature ranges. Scale must match S.G. of fluid. Fluid capacity 4oz.