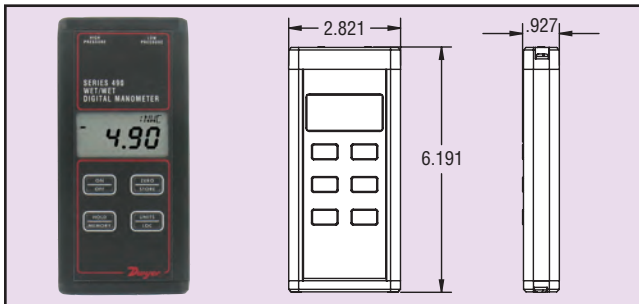




Series  
490

# Wet/Wet Handheld Digital Manometer

Liquid & Gas Pressure Measurement,  $\pm 0.5\%$  FS Accuracy



**Series 490 Digital Manometers** are versatile, hand-held, battery operated manometers available in several basic ranges for positive or positive differential pressure measurement and can tolerate most liquid media compatible with 316LSS. A memory function allows storage of up to 40 readings for later recall and a backlight provides auxiliary lighting for hard-to-see locations. Standard are a hold feature and both visual and audible overpressure alarms. A new feature added to the Series 490 is a field adjustable damping. This allows the user to choose the level of display averaging rate corresponding to the fluctuation level common in many applications. A 9 V alkaline battery is included that provides up to 100 hours of operation.

## OPTION

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 490-1-NIST.

## SPECIFICATIONS

**Service:** Compatible gases & liquids.

**Wetted Materials:** Without valve: 316L SS; Additional wetted parts with 3-way valve option: Buna-N, silicone grease, PTFE, brass 360, copper, reinforced acetal copolymer.

**Accuracy:**  $\pm 0.5\%$  FS, 60 to 78°F (15.6 to 25.6°C);  $\pm 1.5\%$  FS from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40°C).

**Pressure Hysteresis:**  $\pm 0.1\%$  of full scale.

**Pressure Limits:** See chart.

**Temperature Limits:** 32 to 104°F (0 to 40°C).

**Storage Temperature Limits:** -4 to 176°F (-20 to 80°C).

**Display:** 0.42" (10.6 mm) 4 digit LCD.

**Resolution:** See chart.

**Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.

**Weight:** 14.1 oz (400 g).

**Connections:** Two 1/8" (3.18 mm) female NPT.

**Agency Approvals:** CE.

Model	Range	Available Pressure Units							Maximum Pressure	
		bar	psi	in Hg	kPa	FTWC	in w.c.	mm Hg		mbar
490-1	0-15.00 psi	1.034	15.00	30.54	103.4	34.60	415.2	775.7	1034	30 psig
490-2	0-30.00 psi	2.069	30.00	61.08	206.9	69.20	830.4	1551	2069	60 psig
490-3	0-50.00 psi	3.447	50.00	101.8	344.7	115.3	1384	2585	3447	100 psig
490-4	0-100.0 psi	6.895	100.0	203.6	689.5	230.7	2768	5171	6895	200 psig
490-5	0-500.0 psi	34.47	500.0	1018	3447	1153				1000 psig
490-6	0-200.0 psi	13.79	200.0	407.2	1379	461.3	5536			400 psig

**A-402A, Carrying Case** — Tough gray nylon pouch protects any Series 490 Wet/Wet Handheld Digital Manometer. Double zippered for quick and easy access. With belt loop that snaps closed.

7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm)

