



SERIES 490W | WIRELESS HYDRONIC DIFFERENTIAL PRESSURE MANOMETER



BENEFITS/FEATURES

- Rugged weatherproof handheld housing withstands 1.0 meter drop test
- Wireless measurement of differential pressure, single pressure and air flow
- Ergonomic design is much lighter and easier to work with, providing greater maneuverability and quick install setup

APPLICATIONS

- Refrigerant pressure testing
- Hydronic valve balancing
- Measure pressure drop across pumps
- Measure pressure drop across chiller and coils for freeze protection

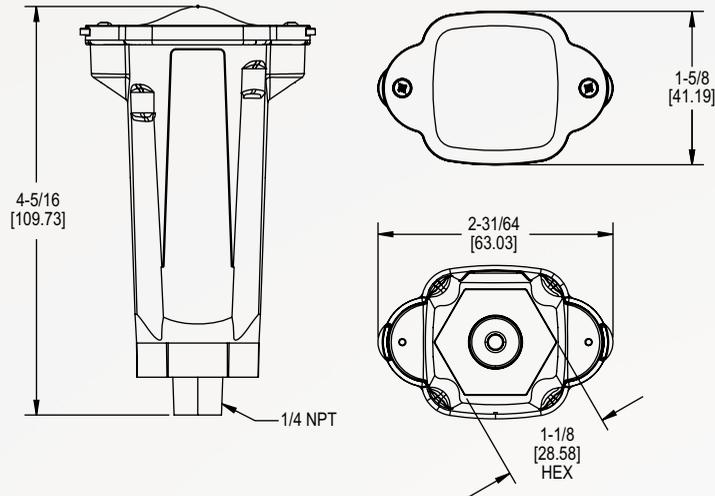
DESCRIPTION

The **Series 490W Wireless Hydronic Differential Pressure Manometer** is the most accurate and easy to operate manometer on the market. By using wireless transducers and a mobile device, a single operator can monitor and balance a hydronic system in less time than traditional hydronic balancers. The Series 490W transducers connect wirelessly to a UHH6 or newer handheld device, or your own mobile device, to monitor differential pressure and flow on up to three different valves. Being wireless, there are no hoses to carry, snag on equipment or needing to be drained. The 490W utilizes Dwyer's hydronic application software that contains valve charts for numerous manufacturers, which converts differential pressure to flow directly on the screen.

SPECIFICATIONS

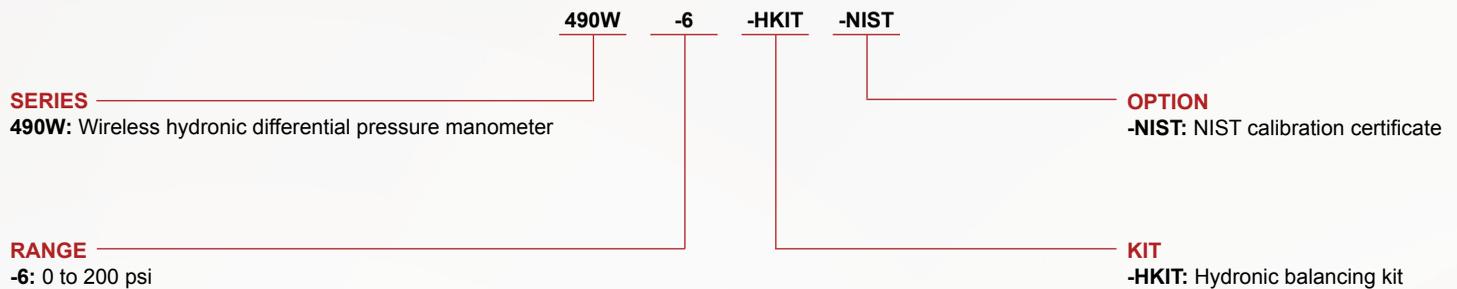
Wireless Distance	Up to 65' (19.8 m).
Service	Compatible gases and liquids.
Wetted Materials	Transducer: 316L SS.
Accuracy	2% of reading, ± 0.5 psi.
Compensated Temperature Range	32 to 140°F (0 to 60°C).
Pressure Hysteresis	$\pm 0.25\%$ FS.
Pressure Range	0 to 200 psi (0 to 1379 kPa).
Maximum Pressure	400 psi.
Engineering Units	psi, ft w.c., in w.c., Pa, kPa, hPa, cm w.c., mm w.c.
Process Temperature Limits	-4 to 185°F (-20 to 85°C).
Resolution	0.0001 psi.
Process Connections	Two 1/4" male NPT.
Power Requirements	2x AAA batteries (each sensor), user replaceable.
Weight	Kit: 5 lb (2268 g). Sensor: 0.25 lb (113 g).
Supported Devices	UHH6 and newer, and smart devices with Bluetooth® v5.0 and Bluetooth® Low Energy (LE) wireless technology.
Supported Operating System	Android® firmware version 8.0 and above.
Compliance	CE, FCC.

DIMENSIONS



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



ACCESSORIES

Model	Description
A-HKIT-500	Pressure test plug adapter for the 490A-HKIT, $1/8$ " dia x $1\frac{1}{2}$ " length (2 per kit)
A-HKIT-510	Pressure test plug adapter for the 490A-HKIT, $1/16$ " dia x $1\frac{1}{2}$ " length (2 per kit)
A-HKIT-500XL	Pressure test plug adapter for the 490A-HKIT, $1/8$ " dia x 3" length (2 per kit)
A-490W-6	Replacement sensors, (2) each, 0-200 psi
A-490W-6-NIST	Replacement sensors, (2) each, 0-200 psi with NIST calibration
A-490W-CAPS	(2) ea. replacement caps for sensors
UHH7	Universal handheld test device with software

ORDER ONLINE TODAY!

dwyer-inst.com

Android® is a registered trademark of Google, Inc.
Bluetooth® is a registered trademark of Bluetooth SIG, Inc.



DWYER INSTRUMENTS, LLC

©Copyright 2023 Dwyer Instruments, LLC
Printed in U.S.A. 6/23

DS-490W Rev. 4

Important Notice: Dwyer Instruments, LLC reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Dwyer advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current.