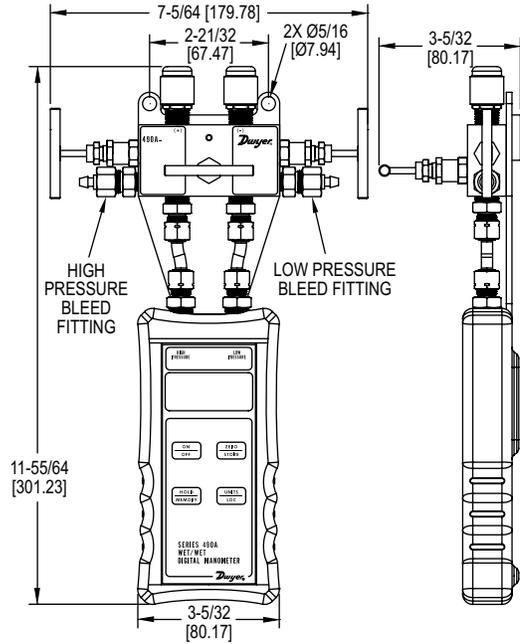


HYDRONIC DIFFERENTIAL PRESSURE METER KIT

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

CALIBRATION SERVICES AVAILABLE



The **Series 490A-HKIT Hydronic Differential Pressure Meter Kit** features the 490A Hydronic Differential Pressure Manometer and all the necessary attachments and accessories to meet all your balancing, measuring, and pressure needs. The manometer featured in this kit is a versatile, handheld, battery operated manometer available in several ranges for positive or positive differential pressure measurement and can tolerate most liquid media compatible with 316L SS.

BENEFITS/FEATURES

- Digital dampening for low pressure stability
- Automatic resolution adjustment for finer control
- Hard carrying case protects products
- Stores up to 40 readings for later recall
- Backlight for use in dim areas
- Magnetic back mount for ease of use
- Rubber boot for easy handling and all day comfort

APPLICATIONS

- Chiller to coils for freeze protection
- Hydronic valve balancing
- Measure pressure drop across pumps
- Refrigerant pressure testing

STANDARD KIT INCLUDES:

- Two (2) 6 ft high pressure rated tubing with shut off valves
- One (1) high pressure 3-way valve
- Two (2) controlled bleed valves
- One (1) 8 ft poly tubing for purges
- One (1) hard traveling lockable case with non-absorbent foam
- One (1) handheld carrying strap
- Two (2) 1/16" x 1-1/2" pressure gage adapters
- Two (2) 1/8" x 3" pressure gage adapters
- Two (2) 1/8" x 1-1/2" pressure gage adapters
- Two (2) Male 90° flare to 1/4" NPT fittings
- Two (2) Male flare to 1/4" NPT coupler fittings
- One (1) adjustable 8" wrench
- PTFE thread tape
- One (1) magnetic protective rubber boot
- NIST calibration certificate standard



SPECIFICATIONS

| | |
|--|--|
| Service: Compatible gases and liquids. | Storage Temperature Limits: -4 to 176°F (-20 to 80°C). |
| Wetted Materials: 316L SS, PTFE, Brass, Copper. | Display: 0.42" (10.6 mm) 4 digit LCD. |
| 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). | Resolution: See chart. |
| Pressure Hysteresis: $\pm 0.1\%$ FS. | Power Requirements: 9 V alkaline battery, installed non-functional, user replaceable. |
| Pressure Limits: See chart. | Process Connections: Two male 45 Flare 1/4". |
| Electronic Temperature Limits: 32 to 140°F (0 to 60°C). | Weight: 3.6 lb. |
| Process Temperature Limits: -20 to 180°F. | Compliance: CE. |

MODEL CHART

| Model | Range (psi) | Available Pressure Units and Resolution** | | | | | | | | Maximum Pressure |
|-------------|-------------|---|-------|-------|-------|---------|-------|-------|---------|------------------|
| | | bar | psi | in Hg | kPa | in w.c. | mm Hg | mbar | ft w.c. | |
| 490A-1-HKIT | 0 to 15 | 1.034 | 15.00 | 30.54 | 103.4 | 415.2 | 775.7 | 1034 | 34.60 | 30 psig |
| 490A-2-HKIT | 0 to 30 | 2.069 | 30.00 | 61.08 | 206.9 | 830.4 | 1551 | 2069 | 69.20 | 60 psig |
| 490A-3-HKIT | 0 to 50 | 3.447 | 50.00 | 101.8 | 344.7 | 1384 | 2585 | 3447 | 115.3 | 100 psig |
| 490A-4-HKIT | 0 to 100 | 6.895 | 100.0 | 203.6 | 689.5 | 2768 | 5171 | 6895 | 230.7 | 200 psig |
| 490A-5-HKIT | 0 to 500 | 34.47 | 500.0 | 1018 | 3447 | 9999* | 9999* | 9999* | 1153 | 1000 psig |
| 490A-6-HKIT | 0 to 200 | 13.79 | 200.0 | 407.2 | 1379 | 5536 | 9999* | 9999* | 461.3 | 400 psig |

*Digits will display smaller units until all 4 digits are exceeded.
**Readings less than 10% of range will provide one additional decimal place than shown for higher resolution.

ACCESSORIES

| Model | Description |
|------------------|---|
| A-47X-BOOT | Rubber boot for manometers (manometer no included) |
| A-HKIT-500 | Piercing gage adaptor for the 490A-HKIT, 1/8" dia x 1-1/2" length (2 per kit) |
| A-HKIT-500XL | Piercing gage adaptor for the 490A-HKIT, 1/8" dia x 3" length (2 per kit) |
| A-HKIT-510 | Piercing gage adaptor for the 490A-HKIT, 1/16" dia x 1-1/2" length (2 per kit) |
| A-HKIT-AFIT | Adaptor fitting kit for the 490A-HKIT, includes pairs of SAE 1/4" adapters and elbow fittings |
| A-HKIT-BFIT | Adaptor fitting kit for the 490A-HKIT, includes pair of bleed fitting assemblies |
| A-HKIT-HOSES | One pair red and blue 60" SAE replacement hoses for the 490A-HKIT, each with integral ball valve |
| NIST Calibration | Please contact your regional Dwyer distributor or Dwyer international sales office for scheduling your NIST recertification |

USA: California Proposition 65
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.