

# PORTABLE ULTRASONIC FLOWMETER KITS

Portable, Non-Invasive and Data Logging Option



PUB



PUF

The **Series PUB & PUF Portable Ultrasonic Flowmeter Kits** utilize the transit-time difference for measuring flow rates in pipes non-invasively. Units offer flow rate local display with analog and pulsed outputs. The Series PUF offers the same features plus data logging capability.

## BENEFITS/FEATURES

- Non-invasive pipe measurement
- Compact and lightweight
- Incorporate the latest electronics and signal processing technologies realizing high performance and easy operation
- Ideal for on-the-go flow monitoring, capable of 20 hours continuous operation with built-in, rechargeable battery
- Easy to read graphic display with convenient backlight for visual comfort
- Efficient layout of the function keys for easy to use programming
- PUB features rugged carrying case with molded foam inserts
- PUF boasts an IP67 rated case to hold and protect all equipment conveniently

## APPLICATIONS

- Water treatment
- Industrial systems
- Irrigation applications
- Treated water flow
- River water
- Sea water
- Potable water
- Demineralized water
- Glycol/water mix
- Hydraulic system
- Diesel oil
- Water use data logging

## KIT INCLUDES

- Converter
- Set of transducers
- Transducer holders
- Set of transducer cables (6.56' (2 m))
- 4-20 mA communication cables
- 12 VDC power supply
- Ultrasonic coupling grease
- Set of chains
- Ruled guide rail
- Test block
- Carrying case

USA: California Proposition 65

⚠ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

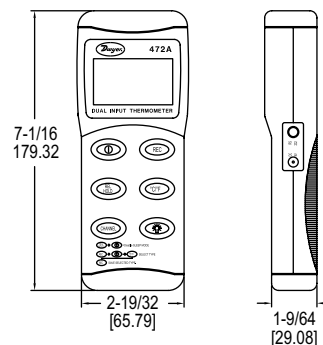
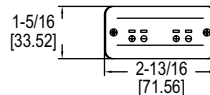
For more information on these products: See page 288

## MODEL 472A-1

# DUAL INPUT THERMOCOUPLE THERMOMETER

Accepts J, K, T Thermocouples, Differential Temperature Indication

CALIBRATION SERVICES AVAILABLE



The **Model 472A-1 Dual Input Thermocouple Thermometer** precisely measures up to two temperature measurements simultaneously. The large LCD display shows both temperature inputs or one temperature input and the differential temperature. Any J, K, or T type thermocouple with a mini-jack connector can be used as an input. For viewing in poorly lit environments, the built-in back light brightens the display. A hold button allows the user to freeze temperature data displayed. Minimum and maximum readings can be recorded over a set time period. Model 472A-1 includes a hard carrying case, battery, and one K type thermocouple.

MODEL CHART	
Model	Description
472A-1	Digital input thermocouple thermometer

OPTIONS	
Use order code:	Description
NISTCAL-TG	NIST traceable calibration certificate

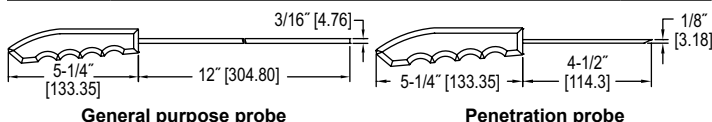
ACCESSORIES	
Model	Description
1818-0074	Immersion probe
1818-0078	Penetration probe
1818-0082	Surface probe
1818-0085	Air duct probe
1718-0077	Remote probe handler
472A-B	Rubber boot

## SPECIFICATIONS

**Inputs:** Type J, K, T thermocouples.  
**Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.  
**Ranges:** J-type: -328 to 1400°F (-200 to 760°C); K-type: -328 to 2498°F (-200 to 1370°C); T-type: -328 to 734°F (-200 to 390°C).  
**Accuracy:**  $\pm 0.13\%$  reading + 1.4°F + 0.06°F below 1000°F.  
**Temperature Limits:** 32 to 122°F (0 to 50°C).  
**Humidity Limits (Non-Condensing):** 0 to 85% relative humidity.  
**Display:** Triple LCD display.  
**Resolution:** 0.1°C up to 500°C.  
**Weight:** 23.6 oz.

## HANDHELD THERMOCOUPLES

Model	Description	T/C Type
1718-0001	General Purpose Probe: Featuring a built-in handle with coiled cord and mini-plug, this general purpose probe can be used in liquids and air compatible gases. For use to 800°F.	J
1718-0002		K
1718-0014	Penetration Probe: Featuring a built-in handle with coiled cord and mini-plug, this probe is used for penetrating meat, plastic, rubber, asphalt, or other semi-soft materials.	J
1718-0015		K



General purpose probe

Penetration probe