

Portable Digital Thermometer

Nuclear Associates Model 07-402

- **Affordably priced...includes a detachable probe**
- **Displays minimum/maximum readings**
- **Hold/freeze function**
- **Auto shut-off**
- **Battery eliminator jack for a 9 volt VDC converter**
- **Checks film processor solution temperatures quickly and accurately**
- **Large, easy-to-read, backlit digital display of temperature in Centigrade or Fahrenheit**
- **Accuracy: $\pm 0.5\%$**
- **State-of-the-art detachable immersion probe saves time and allows use of multiple probes with one display unit**

Introduction

This hand-held thermometer is a battery-powered unit with a detachable immersion probe. Temperature readings appear in Centigrade or Fahrenheit with $\pm 0.5\%$ accuracy. The LED display eliminates problems that can result from the misreading of stem-type thermometers.

Applications

Detachable immersion probes are time-savers for x-ray departments that have several film processors. The use of multiple probes, each remaining in a specific tank, also eliminates the possible cross-contamination of chemicals. This improved version of the digital thermometer includes many

convenient features and capabilities. You can quickly and easily display the lowest and highest temperatures measured by the probe since the unit was turned-on. Our digital thermometer also enables you to “freeze” the current temperature reading on the display. The thermometer display can be easily illuminated, making it perfect for use in the darkroom. You can also program the Portable Digital Thermometer for auto or manual shut-off.

The Portable Digital Thermometer (Model 07-402) is a shock resistant, solid-state unit that needs no adjustments to maintain accuracy. Calibration is traceable to the National Institute of Standards and Technology (NIST)*. The unit includes a high-impact plastic case with a recess for storing one probe, and is equipped with a power jack that will accept the optional AC power supply. The jack should be used when the unit will be in use for extended periods of time (in order to prevent battery failure).



Specifications

Temperature range - 40° to 300°F
(- 40° to 150°C)

Resolution 0.1°F

Accuracy $\pm 0.5\%$ over entire range

Display Four-digit LED, plus decimal point

Battery Standard 9 V alkaline or equivalent

Dimensions

Thermometer 3 (w) x 8 (d) x 1.125 in (t)

Display Area 2 x 0.94 in

Probe 6 in long

Weight 7.44 lb (3.38 kg)

Optional accessories

Immersion Probe (Model 07-403)

Waterproof Probe (Model 07-401), will not be damaged in chemistry or water

Available model(s)

07-402 Portable Digital Thermometer with one probe

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or www.flukebiomedical.com/rms.

Specifications are subject to change without notice.

* *Factory re-calibration available.*