

07-402 Portable Digital Thermometer

Technical Data



The 07-402 handheld thermometer is a battery-powered unit with a detachable immersion probe. Temperature readings appear in Centigrade or Fahrenheit with accuracy of $\pm 0.2\text{ }^{\circ}\text{C}$ ($0.3\text{ }^{\circ}\text{F}$) or $\pm 0.5\%$ of reading, whichever is greater. The LED display eliminates problems that can result from the misreading of stem-type thermometers.

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 crosscontamination 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 07-402 for auto or manual shut-off.

The 07-402 Portable Digital Thermometer is a shock resistant, solid-state unit that needs no adjustments to maintain accuracy. The 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).

Key features

- Displays minimum/maximum readings
- Hold/freeze function
- Auto shut-off
- Battery eliminator jack for a 9 V dc converter
- Checks film-processor solution temperatures quickly and accurately
- Large, easy-to-read, backlit digital display of temperature in Centigrade or Fahrenheit
- State-of-the-art detachable immersion probe saves time and allows use of multiple probes with one display unit

Specifications

Temperature range	-40 °F to 150 °C (40 °F to 300 °F)	
Resolution	0.1 °F	
Accuracy	± 0.2 °C (0.3 °F) or ± 0.5 % of reading, whichever is greater	
Display	Four-digit LED, plus decimal point	
Battery	Standard 9 V alkaline or equivalent	
Dimensions (WxDxH)	Thermometer	7.62 cm x 20.32 cm x 2.86 cm (3 in x 8 in x 1.125 in)
	Display Area	5.08 cm x 2.388 cm (2 in x 0.94 in)
	Probe	15.2 cm (6 in) long
Weight	3.38 kg (0.44 lb)	

Ordering information

Model

07-402: Portable Digital Thermometer with one probe

Optional accessories

07-403 Immersion Probe

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

About Fluke Biomedical

Fluke Biomedical is the world's leading manufacturer of quality biomedical test and simulation products. In addition, Fluke Biomedical provides the latest medical imaging and oncology quality-assurance solutions for regulatory compliance. Highly credentialed and equipped with a NVLAP Lab Code 200566-6 accredited laboratory, Fluke Biomedical also offers the best in quality and customer service for all your equipment calibration needs.

Today, biomedical personnel must meet the increasing regulatory pressures, higher quality standards, and rapid technological growth, while performing their work faster and more efficiently than ever. Fluke Biomedical provides a diverse range of software and hardware tools to meet today's challenges.

Fluke Biomedical Regulatory Commitment

As a medical test device manufacturer, we recognize and follow certain quality standards and certifications when developing our products. We are ISO 9001 and ISO 13485 medical device certified and our products are:

- NIST Traceable and Calibrated
- UL, CSA, ETL Certified, where required
- NRC Compliant, where required

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