

MEAS 400 and 700 Series Medical Probes

Cost-effective MEAS probes measure temperature with MEAS interchangeable thermistors, a highly accurate temperature technology that MEAS perfected over the decades. This thermal expertise, in combination with regulatory experience, manufacturing automation, and custom capability, positions MEAS as a leader in temperature measurement for healthcare facilities.

MEAS 400 Series Reusable Temperature Probes

As demands on healthcare providers increase, healthcare professionals are taking the lead in finding answers to cost versus quality issues. MEAS 400 Series reusable probes are a sensible solution, offering substantial reductions in cost with no trade-off in quality.

MEAS 400AC Series Medical Autoclavable Probes

MEAS 400AC Series Reusable Temperature Probes have the ability to withstand autoclave sterilization, generating less waste. Featuring gold-plated plugs and sealed thermistors, MEAS 400AC probes are resistant to standard chemicals and disinfectants. Guaranteed for 100 autoclave cycles or six months.

MEAS 700 Series Reusable Probes

MEAS makes a complete line of reusable probes for 700 Series inputs providing linear response. Most MEAS 400 Series probes have a corresponding 700 Series probe. These are easily distinguished from the 400 Series probes at the connector end.



MEAS4012 Mini-Tempheart Shields



Dependability

- MEAS temperature probes deliver continuous, high-precision measurement

Repeatability

- Every MEAS probe is traceable to the U.S. National Institute of Standards and Technology (NIST)

Interchangeability

- MEAS patented manufacturing techniques ensure that probes are interchangeable within the same series

MEAS 400 and 700 Series Probes Characteristics

Range of Operation	0° to 60°C
Accuracy	400 Series: ±0.2°C from -1° to 60°C, ±0.1°C from 25° to 45°C 700 Series: ±0.2°C from -1° to 60°C, ±0.15°C from 25° to 45°C
Cleaning	Probes should be cleaned with a mild detergent and water to remove excess bioburden and improve effectiveness of disinfection and sterilization.
Disinfection	Low level: cidex/glutaraldehyde High level: cidex/glutaraldehyde, dilute bleach, 70% isopropyl alcohol
Sterilization	Ethylene oxide gas, STERIS® System 1 MEAS 400AC only: steam autoclave (20 min. at 121-134 C), recommended ANSI/AAMI ST35
Termination	Standard .25" phone plug, compatible with most patient monitors
Regulatory	Compliant with FDA regulations, 93/42/EEC CE-Medical Device Directives, and EN12470

To order or for more information, contact your local representative or the MEAS Temperature customer service team.

937 427-1231

800 747-5367 U.S. only
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ISO 9001
ISO 13485

MEAS 400 and 700 Series Probes Specifications

400 Series	401	Esophageal or Rectal (adult)	12 Fr.*, 4.0 mm tip diameter
	402	Esophageal or Rectal (pediatric)	10 Fr., 3.3 mm tip diameter
	403	Rectal (adult)	12 Fr., 4.0 mm diameter
	405	Gas/Air Probe	Measures or monitors ambient air temperature
	406	Rectal (pediatric)	9 Fr., 3.0 mm diameter
	409B	Skin (adult, flexible)	9.5 mm sensor disk diameter
	423	Rectal (pediatric, flexible)	10 Fr., probe length is 6.3 cm, diameter is 3.2 mm
	427	Skin (pediatric)	4.8 mm sensor disk diameter
Autoclavable	401AC	Esophageal or Rectal (adult)	14 Fr., 4.7 mm diameter
	402AC	Esophageal or Rectal (pediatric)	10 Fr., 3.3 mm diameter
	409AC	Skin (adult)	9.5 mm diameter disk
700 Series	701	Esophageal or Rectal (adult)	17 Fr., 6.3 mm tip diameter
	702A	Esophageal or Rectal (adult)	12 Fr., 4.0 mm tip diameter
	703	Rectal (adult)	12 Fr., 4.0 mm diameter
	708	Skin (adult)	9.5 mm sensor disk diameter
	709B	Skin (adult)	9.5 mm sensor disk diameter
	729	Skin (pediatric)	4.8 mm sensor disk diameter

*Fr. = French Catheter scale

Probe Accessories

4009	Tempheart Shields
4012	Mini-Tempheart Shields
Heat reflecting adhesive pads hold probes securely to the skin for accurate temperature readings	
4930	Adapter for Phillips Monitors

Compatibility

- MEAS probes are designed to plug directly into standard MEAS 400 and 700 Series monitoring instruments

Safety

- With no need for adapter boxes and electrical isolation of conductors, non-latex MEAS reusable probes virtually eliminate concerns about safety

Cost-Effective

- MEAS reusable probes have a cost-per-use far below that



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