http://www.gesensing.com/products/resources/datasheets/920_289a.pdf

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Applications

- ICU's
- Outpatients clinics
- Physician's offices
- Veterinary hospitals
- Mobile medical units
- Hospice care

Features

- CE certified
- Interchangeable to
  - ±0.36°F (±0.2°C), 32°F to 77°F (0°C to 25°C)
  - ±0.18°F (±0.1°C), 77°F to 122°F (25°C to 50°C)
- Steam autoclavable to 273°F (134°C)
- Fast response
- Pediatric and adult models

EXACON SCIENTIFIC Original Products

?

Developed in 1978

MA400X Series

Thermometrics Fully Autoclavable Temperature Probes

MA400X Series are Thermometrics products. Thermometrics Sensor has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.

GE Copy Products - Plagiarism

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The MA400X Series has been designed to address a critical issue associated with all reusable temperature probes; cleaning after use. The MA400X Series has been designed for Steam Autoclave Sterilization temperatures up to 273°F (134°C). A molded transition between a silicone rubber-jacketed cable, 10 ft (3 m) long, and a two-pin phone plug with molded Nylon housing, ensures the integrity of the assembly during the autoclave process.

Repeatability and fast response are essential, not only for the intermittent temperature requirements associated with oral and rectal temperature measurements, but also with the continuous monitoring necessary during induced-hypothermia and general anesthesia, or when employed in the pediatric environment, including the care of newborns and premature babies. Intensive care and recovery rooms have long used temperature as part of their vital sign monitoring procedures. Temperature monitoring for skin surface, tympanic, esophageal, and biofeedback applications have improved due to the high stability and tight tolerances designed into each MA400X Series probe.

A world-class manufacturer and partner you can trust to deliver the highest quality sensing products anywhere in the world.

- Sixty years of material science, in-house standards and a calibration lab traceable to the National Institute of Standards and Technology (NIST) enable us to manufacture thermistor elements and assemblies with the highest stability and interchangeability available.
- The MA400X Series is derived from a solid biomedical sensor platform and the result of engineering solutions to unique applications.
- GE offers customers more than just sensors. We've set the standard for monitoring patient temperature.

Phone jack: In each series the probe (thermistor) is connected to a 10 ft (3 m) long cable with a two-conductor, 0.250 in (6.35 mm) diameter phone style plug. It is also available in a straight-molded phone plug.

MA400X Series Characteristics

Model	Application	Description
MA401XAS/ce	General Purpose (Adult)	Molded plastic tip 0.2 in (5 mm) diameter
MA402XAS/ce	General Purpose (Pediatric)	Molded plastic tip 0.15 in (4 mm) diameter
MA438XAS/ce	Skin Surface (Adult)	Molded plastic disc. 0.70 in (18 mm) diameter by 19.7 in (500 mm)
MA452XAS/ce	General Purpose (Neonatal)	Silicone rubber seal at distal end, 0.11 in (3 mm) maximum diameter
MA459XAS/ce	Skin Surface (Pediatric)	Stainless steel housing, 0.4 in (10 mm) diameter, 0.14 in (3.6 mm) thick

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MA400X Series Specifications

General

Temperature Range
32°F to 122°F (0°C to 50°C)

Accuracy
- ±0.36°F (±0.2°C) from 32°F to 77°F (0°C to 25°C)
- ±0.18°F (±0.1°C) from 77°F to 122°F (25°C to 50°C)

Cleaning
Probes should first be cleaned of all bio-burden, foreign matter and/or material with mild detergent and water in order to improve the effectiveness of any disinfection or sterilization.

Disinfection
Use 70% isopropyl alcohol; then a solution of sodium hypochlorite (bleach) diluted 1:10 minimum in water, cidex. After disinfecting, rinse the probes thoroughly with sterile water.

Sterilization
Use ethylene oxide gas. Follow the recommended procedure issued by the manufacturer of your gas sterilizing chamber. Radiation sterilization is acceptable. Steam autoclavable to 273°F (134°C) for 18 minutes.

Termination
Straight molded two-pin phone plug 0.24 in (6.35 mm) diameter. Also available in a right-angle molded phone plug.

Storage and Handling
When not in use, store probes with cables loosely coiled in a clean and dry location at normal room temperature.

Regulatory
Compliant with 93/42/EEC Medical Device Directive

GE is an industry leader in the design and manufacture of multiple sensing elements, devices, instruments and systems that enable our customers to monitor, protect, control and ensure the safety of their critical applications. GE's comprehensive sensing offerings include precision sensors for temperature, pressure, humidity, gas, infrared and ultrasonic applications; as well as high-quality handheld and portable field calibrators, stand alone measurement instrumentation and systems that provide the end-to-end solutions necessary to verify, validate or certify vital processes.

With operations around the world, GE develops technologies and solutions using thermal validation, dew point measurement, ultrasonic and gas flow measurement, control circuit protection, liquid level detection, process control instrumentation. GE also develops microstructure design for products and services in applications such as environmental, marine, meteorology, aerospace, defense, medical, pharmaceutical, biotechnology, automotive, industrial, commercial, petrochemical, power generation and transportation.