iTHERM Easytemp TMR3x

Compact hygienic thermometer

Compact, fast and precise

iTHERM Easytemp TMR31 and TMR35 compact temperature probes with best-in-class hygienic design are aimed at applications in the life sciences and the food & beverage industries.

The devices feature outstanding sensor technology for fast, accurate and reliable readings while offering an excellent price/performance ratio and a compact design for optimal use of space, easy installation and commissioning.

Your benefit

Value	Benefit	Feature
Risk and cost reduction	▪ Quick installation and easy commissioning	▪ Small, compact design, M12 connector
Increased process safety and control	▪ Faster detection of temperature changes	▪ Extremely quick sensor response times
100 % compliance	▪ Fit for all hygienic applications ▪ Full device traceability ▪ Time savings during audit preparation	▪ International certifications and approvals ▪ Laser-engraved serial number on each device ▪ Calibration certificate available 24/7 online

Application

- Specially designed for use in hygienic and aseptic applications in the food & beverage and life sciences industries
- International certifications and approvals:
  EHEDG, FDA, 3-A, 1935/2004, 2023/2006 (GMP)
- Large choice of sterile and hygienic process connections as standard

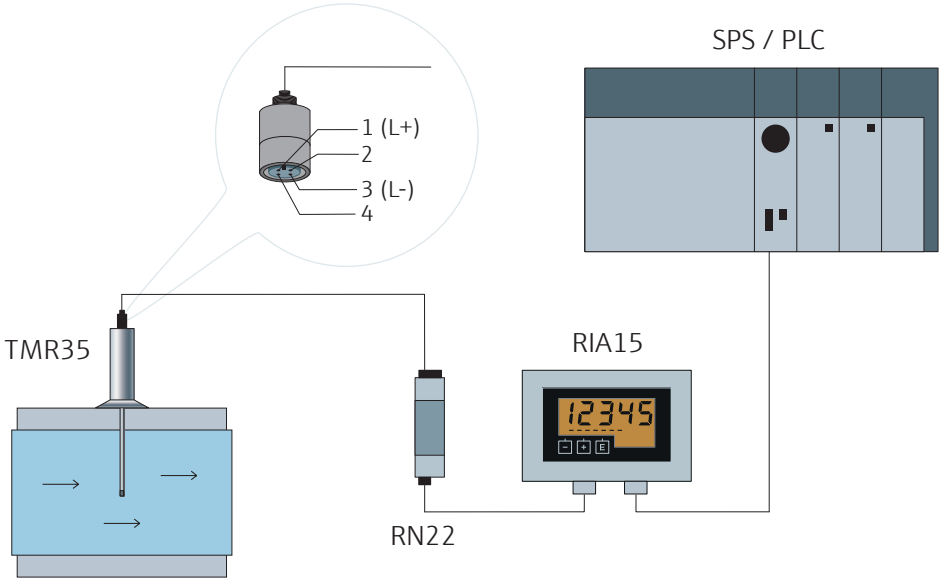
For more information please visit
www.endress.com/tmr31
www.endress.com/tmr35

Endress+Hauser
People for Process Automation

iTHERM Easytemp TMR3x specifications

- Measuring range: -50 to 200 °C (-58 to 392 °F)
- Pressure range: up to 100 bar (1,450 psi)
- Protection class: up to IP69K
- Communication: analog output 4 to 20 mA
- Response time: t_{90} = 2 s

System integration



Integrated offering

System component	Feature
Display unit RIA15	▪ Display of 4 to 20 mA measured values or HART® process variables ▪ Loop-powered; Voltage drop ≤1 V (HART® ≤1.9 V)
Active barrier RN22	▪ Galvanic signal barrier & transmitter power supply RN22 ▪ Front-side HART® connection lugs
Endress+Hauser Service	▪ Commissioning service ensures optimal startup ▪ Technical experts are always on call to support with product queries ▪ Calibration service

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