

TruTorr II single-use pressure sensor

High-accuracy single-use headspace pressure sensor

The Thermo Scientific™ TruTorr™ II single-use pressure sensor is a single-use solution for measuring headspace pressure and preventing rupture of a bioprocessing container. A TruTorr II loop consists of a disposable pressure sensor, a cable, and a transmitter blade that is seamlessly integrated into a bioreactor controller.



TruTorr II single-use pressure sensor specifications

Environmental

Operating temperature	10°C to 45°C (50°F to 113°F)
Maximum operating pressure	7.0 psi
Storage temperature	0°C to 60°C (32°F to 140°F)
Storage relative humidity	10% to 90% (noncondensing)
Altitude limit	12,192 m (40,000 ft)
Materials	USP Class VI

Performance

Measuring range	0 to 0.48 barg (0 to 7 psig)
Relative accuracy	3.5 mbarg (0.05 psig)
Accuracy	±0.10 psig @ 0-1 psi ±0.20 psig @ 1-3 psi ±0.35 psig @ 3-7 psi
Response time (T90 agitated)	<1 second
Drift (21 days)	13.6 mbarg
Calibration	Precalibrated (chip) 1-point standardization at gauge required
Gamma irradiation	25–40 kGy is the standard range (for radiation doses outside this range, contact Thermo Fisher Scientific)

Compatibility and manufacturing

Biocompatibility	Materials in contact with process meet USP Class VI ISO 10993-5 standards, animal origin-free and BPA-free
Use case	Warranty valid for one gamma sterilization cycle and use
Manufacturing environment	ISO 14644-1, Class 10,000 clean room (ISO 7)

Find out more at thermofisher.com/sut

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