

uTS Series Temperature Sensor

- ▶ Monitor temperature of microfluidic applications
- ▶ Couple with uTE thermal-control units and uProcess software for coordinated and closed-loop control



Specifications

uTS Temperature Sensors Part Number uTS01-[X]

Temperature Range	-150° C - 200° C (-238° F / 392° F)
Accuracy	0.5° C
Resolution	0.001° C
Sensor type	K type thermocouple
Mounting hole	2.8 mm (0.11") through-hole for mounting to uProcess breadboard via 2-28-1/4" screws
4AM01 Analog Manifold	Required. For connecting up to 4 uPS pressure or uTS temperature sensors; includes 4 flat flex connector cables.
EIB200 Automation Interface	Required for control of 4AM01 analog manifold via uProcess™ software; includes software, LabVIEW™ drivers, and SDK

Model [X]	Length	Wire Gauge	Tip Diameter	Tip Insulation	Wire Insulation
STD-20	20 cm (7.9")	36	0.3-0.4	None	PFA
STD-60	60 cm (23.6")	36	0.3-0.4	None	PFA
INS-20	20 cm (7.9")	24	2.5 - 3.0	FEP	FEP

CAD model available upon request

Dimensions

