

TEMP-340 - Handheld Monitor



It has a rugged design with a large backlit display, a built-in stand, and optional AC adapter. It features a sealed control panel, Min/Max /hold function, °C/°F and low battery indicator. The TEMP-340 can manually store or automatically log up to 2000 sets of readings that are time-stamped. The data can be downloaded to a PC via USB.

Thermistor Resistance Data for PendoTECH Single Use Temperature Sensors*

Temp °C	Resistance Ω	Temp °C	Resistance Ω	Temp °C	Resistance Ω	Temp °C	Resistance Ω
0	7355	18	3081	36	1412	54	697.9
1	6989	19	2944	37	1355	55	672.5
2	6644	20	2814	38	1301	56	648.1
3	6319	21	2690	39	1249	57	624.8
4	6011	22	2572	40	1200	58	602.4
5	5719	23	2460	41	1152	59	580.9
6	5444	24	2354	42	1107	60	560.3
7	5183	25	2252	43	1064	61	540.5
8	4937	26	2156	44	1023	62	521.5
9	4703	27	2064	45	983.8	63	503.3
10	4482	28	1977	46	946.2	64	485.8
11	4273	29	1894	47	910.2	65	469.0
12	4074	30	1815	48	875.8	66	452.9
13	3886	31	1739	49	842.8	67	437.4
14	3708	32	1667	50	811.3	68	422.5
15	3539	33	1599	51	781.1	69	408.2
16	3378	34	1533	52	752.2	70	394.5
17	3226	35	1471	53	724.5	71	381.2

*PendoTECH Transmitter available to convert temperature to a linear 4-20mA signal

Detail	Specifications
Accuracy	Hose-barb and flange sensors: Better than +/- 0.2°C (typical better than 0.1°C) Luer: Better than +/- 0.4°C (typical better than 0.2°C)
Temperature range	0 to 70°C
Biocompatibility	Hose-barb and flange sensors: all polymeric materials in contact with product fluid path meet USP Class VI requirements*
Manufacturing environment	FDA Registered, ISO 9001 certified facility; Class 5
Gamma irradiation	Up to 50 kiloGrays [^]
X-ray irradiation	Up to 50 kiloGrays
Resistance@25°C	2252ohm
Connector	Custom molded 2 contact connector (different versions for luer and hose-barb versions)
Pressure range	Up to 75psi (5.2bar)
Shelf life	5 years
Monitor Cable	Hose-barb: 10ft (3.0m) with 1/4inch headphone plug to connect to monitor receptacle Luer: 7ft (2.1m) with 1/4inch headphone plug to connect to the monitor receptacle

* Luer sensors for research purposes only and not designed for use in manufacturing processes. Polycarbonate connector for luer sensors that may contact a fluid path is not tested for USP Class VI. Dip probe not tested for USP Class VI; stainless steel not applicable.

[^] At this gamma dose there is a shift in the accuracy in the range of 0 to 2°C to +/- 0.5°C and in the range of 50 to 70°C to +/- 0.5°C.



PendoTECH Temperature Sensor Transmitter



PendoTECH Temperature Transmitter



Monitor Cable for Hose-barb Sensor and Dip Probe