All-purpose temperature sensors

EFT: PT-1000 sensors

- Industrial use

- Precision in different grades and classes. Resistance at 0° is 1000 Ohm

- Sensor leads can be extended/shortened, when cable resistance is taken into account

ETF is a range of temperature sensors designed for use in heating, ventilation and cooling systems.

All major parameters have been taken into account in the design of our ETF sensors: measured temperature, mechanical load, corrosion, erosion and required response time.

All our ETF sensors meet the requirements contained in the Machinery directive 89/392/EEC.

PT-1000 Sensor characteristics:
- Industrial use
- Precision in different grades and classes. Resistance at 0° is 1000 Ohm
- Sensor leads can be extended/shortened, when cable resistance is taken into account

Our wide range of temperature sensors counts sensors as diverse as:

- Universal sensors
- Ventilation duct sensors
- Non-agressive liquids and gasses sensors
- Sensors for pipe surfaces
- Sensors for wet environments
- Indoor room sensors

The requirements to be met must be carefully considered, in order to pick the sensor that fits your needs. Please consult the chart at page 2 for a full description of the different sensors and their applications.

OJ ELECTRONICS A/S
STENAGER 13B
DK-6400 SØNDERBORG
DENMARK

T. +45 73 12 13 14
F. +45 73 12 13 13
OJ@OJELECTRONICS.COM
WWW.OJELECTRONICS.COM

OJ ELECTRONICS
KNOW-HOW CREATES

Sensor	Type	Dimensions	Sensor element (PT 1000 - 1000Ω@0℃)	Material	Applications
	ETF-198B-5	Ø5 mm, L20 mm 5 m cable IP65	PT 1000 0℃ = 1000 Ω Range -40℃-+150℃	TPE Silicone & Halogen free	Universal sensor Outdoors
	ETF-598B-5	Ø6 mm, L32 mm 5 m cable IP68	PT 1000 0℃ = 1000 Ω Range -40℃-+150℃	Stainless steel TPE Silicone & Halogen free	Universal sensor Outdoors
	ETF-598B-3A	Ø7 mm, L53 mm 3 m cable IP67	PT 1000 0℃ = 1000 Ω Range -40℃-+150℃	Stainless steel TPE Silicone & Halogen free	Universal sensor Outdoors
	ETF-1098L1-0.5	Ø12 x 100 mm 0.5 m cable Flange	PT 1000 0℃ = 1000 Ω Range -40℃-+85℃	Polycarbonate	Ventilation duct sensor
	ETF-1098L1-4	Ø12 x 100 mm 4.0 m cable Flange	PT 1000 0℃ = 1000 Ω Range -40℃-+85℃	Polycarbonate	Ventilation duct sensor
	ETF-1198-SR	Ø3 x 250 mm ¼" thread 10 m cable	PT 1000 0℃ = 1000 Ω Range -50℃-+165℃	Galvanized brass	Non-aggressive liquids and gases
	ETF-1198-SR 1/2"	Ø3 x 250 mm 1/2" thread 10 m cable	PT 1000 0℃ = 1000 Ω Range -50℃-+165℃	Galvanized brass	Non-aggressive liquids and gases
	ETF-1698	30 x 60 x 30 mm, IP54 Max. pipe diam. 50 mm Incl. clamp	PT 1000 0℃ = 1000 Ω Range -50℃-+70℃	Polycarbonate Stainless AISI 316	Pipe surfaces
	ETF-798	45 x 86 x 35 mm IP54	PT 1000 0℃ = 1000 Ω Range -20℃-+70℃	ABS plastic Melamine	Wet environments Outdoors
	ETF-1798	55 x 52 x 27 mm IP54	PT 1000 0℃ = 1000 Ω Range -40℃-+70℃	Polycarbonate	Wet environments Outdoors Non-aggressive
	ETF-998-H	80 x 80 x 16 mm IP20	PT 1000 0℃ = 1000 Ω Range -20℃-+70℃	Bayblend noryl	Room sensor Dry rooms Indoors
	ETFL-2	Ø8 mm, L100 mm ¼" thread		Galvanized brass	Sensor pocket Non-aggressive

PT 1000 resistance table						
-20℃ = 921.6Ω	11℃ = 1042.9Ω	16℃ = 1062.3Ω	21℃ = 1081.8Ω	26℃ = 1101.2Ω	35℃ = 1136.1Ω	60℃ = 1232.4Ω
-10℃ = 960.9Ω	12℃ = 1046.8Ω	17℃ = 1066.2Ω	22℃ = 1085.7Ω	27℃ = 1105.1Ω	45℃ = 1174.7Ω	70℃ = 1270.7Ω
0℃ = 1000.0Ω	13℃ = 1050.7Ω	18℃ = 1070.1Ω	23℃ = 1089.6Ω	28℃ = 1109.0Ω	50℃ = 1194.0Ω	80℃ = 1308.9Ω
5℃ = 1019.5Ω	14℃ = 1054.6Ω	19℃ = 1074.0Ω	24℃ = 1093.5Ω	29℃ = 1112.8Ω	55℃ = 1213.2Ω	90℃ = 1347.0Ω
10℃ = 1039.0Ω	15℃ = 1058.5Ω	20℃ = 1077.9Ω	25℃ = 1097.3Ω	30℃ = 1116.7Ω	60℃ = 1232.4Ω	100℃ = 1385.0Ω

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