Aranet PT100 Custom sensors

1 Class A platinum resistance thermometers

2 Up to 3 km / 1.9 mi range

3 Probe length up to 10 m / 33 ft

Accurate wireless temperature monitoring for virtually any application.

Aranet PT100 sensors are now available with more than 20 different custom probes for all your specific temperature monitoring needs.

The probes come in different sizes, shapes and even materials allowing for incredible flexibility to tailor the solution for each specific case.

All Aranet PT100 sensors utilize 4-wire configuration for most precise measurements, superior to 3-wire and 2-wire circuits. Minimum order quantity for each custom probe sensor is 10 pieces.

Standard #0
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection
code: IP68
Probe: stainless steel /
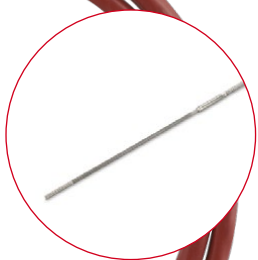6 x 100 mm (0.2 x 3.9 in)

Extended #E
for COVID-19 Vaccine
Storage Monitoring
Range: -190 °C to 260 °C
(-310 °F to 500 °F)
Ingress protection
code: IP68
Probe: stainless steel /
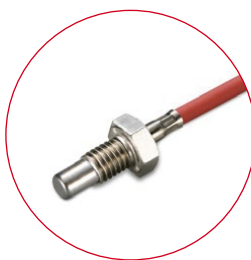6 x 100 mm (0.2 x 3.9 in)

Magnetic #M
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection
code: IP68
Probe: aluminium

G 1/2 Thread #G
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection
code: IP68
Probe: stainless steel /
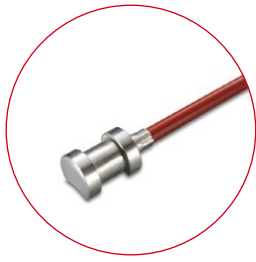6 x 100 mm (0.2 x 3.9 in)
G 1/4 also available

Mantel #J
Range: -200 °C to 600 °C
(-328 °F to 1112 °F)
Ingress protection
code: IP54
Probe: stainless steel /
3 x 200 mm (0.1 x 7.9 in)
Cable insulation material:
glass (-60 °C to 400 °C /
-76 °F to 752 °F)

M6 Thread #H
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection
code: IP68
Probe: stainless steel
M8 also available

Food Grade #F
Range: -190 °C to 260 °C
(-310 °F to 500 °F)
Ingress protection
code: IP68
Probe: stainless steel /
4 x 140 mm (0.2 x 5.5 in)

Pipe Aluminium #T
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection code: IP68
Probe: aluminum
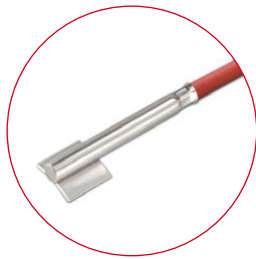For refrigerator or plastic pipe

Pipe Stainless Extended #Q
Range: -190 °C to 260 °C
(-310 °F to 500 °F)
Ingress protection code: IP68
Probe: stainless steel
For refrigerator / heat pipe

Pipe Aluminium Extended #V
Range: -190 °C to 260 °C
(-310 °F to 500 °F)
Ingress protection code: IP68
Probe: aluminum
For refrigerator or plastic pipe

Pipe Brass #R
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection code: IP68
Probe: nickel brass
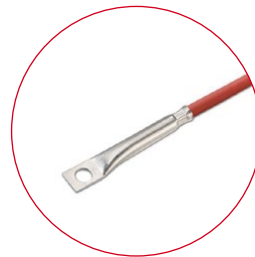For water / heat pipe

Pipe Stainless #P
Range: -60 °C to 180 °C (-76 °F to 356 °F)
Ingress protection code: IP68
Probe: stainless steel
For water / heat pipe

Pipe Brass Extended #S
Range: -190 °C to 260 °C
(-310 °F to 500 °F)
Ingress protection code: IP68
Probe: nickel brass
For refrigerator / heat pipe

Block Bore #L
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection code: IP68
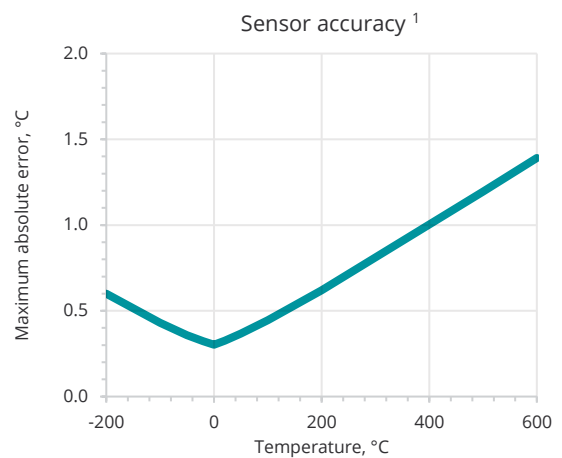Probe: stainless steel
For flat surface

Borehole #K
Range: -60 °C to 180 °C
(-76 °F to 356 °F)
Ingress protection code: IP68
Probe: stainless steel
For flat surface

Each Aranet PT100 sensor has its own part number that consists of 12 characters:

- **TDSPT306.xx#**
- **TDSPT306.** – remain unchanged
- **xx** – cable length in meters (range 1-10m / 3.3. - 33 ft)
  # – probe type

Create the part number based on your needs and order Aranet PT100 sensors!

Sensor accuracy [1]

Maximum absolute error, °C vs *Temperature, °C*

[1] Considering temperature of the radio transmitter being constant +25 °C.

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