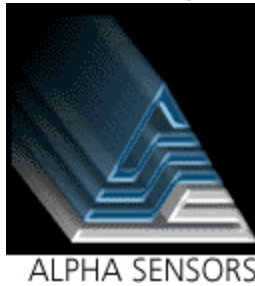


Top quality temperature measurement solutions for medical, HVAC, military, consumer electronics, and appliance applications. Thermistors, RTDs, glass-encapsulated probes and custom designed solutions. Superior design and service support.

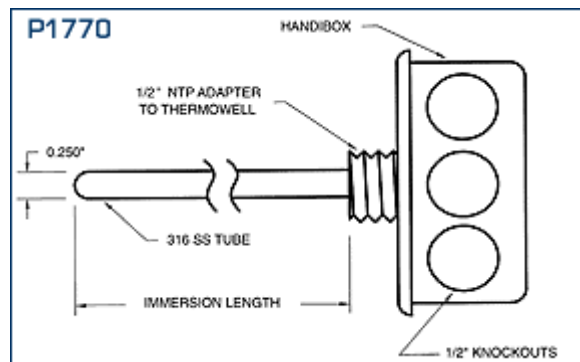
Interchangeable Series
Point-Matched Series
Glass Series
Insulated Lead Series
Medical Series
Mini Series
Micro Series
Customer Configured Probe Series
HVAC Thermistor Series
HVAC RTD Series



P1770 Immersion Sensor

FEATURES

- | Stainless steel closed end tube
- | 3/8 inch UNC plastic connector
- | Adapter to 1/2" NPT thermowell
- | 4" and 8" immersion lengths
- | Proprietary thermistor technology
- | Industry standard sensor values
- | Custom configurations available:
 - | Lead length
 - | Housing length
 - | Handibox
 - | Thermowell



DESCRIPTION

The Alpha P1770 Immersion Sensor is a thermistor based temperature sensor designed for use with a thermowell to measure water temperature in chilled or hot water systems. The sensor may be removed from the thermowell for replacement.

SPECIFICATIONS

Operating Range: -20° to 70°C (-4° to 158°F)
Accuracy: ± 0.2°C (± 0.36°F), 0° - 70°C
Drift: 0.02°C per year from 0°C to 50°C (0.036°F per year from 32°F to 122°F)

APPLICATION NOTES

0. The sensor is point sensitive. Thermal grease improves

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FAQ's
Application Notes
Technical Notes
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P1770 Immersion Sensor

accuracy.

1. Solder or crimp all connections. Do not use wire nuts.
2. Follow local electrical codes.

PART #	DESCRIPTION	R/T CURVE	LEAD COLOR CODE	MATERIAL TYPE
P1771	2,252 Ohm @ 25°C	A	Green Leads	TYPE II
P1772	3,000 Ohm @ 25°C	A	Blue Leads	TYPE II
P1773	10,000 Ohm @ 25°C	A	Yellow Leads	TYPE II
P1774	100,000 Ohm @ 25°C	A	Gray Leads	TYPE II
P1775	10,000 Ohm @ 25°C	C	Gray Leads	TYPE III
P1776	20,000 Ohm @ 25°C	De	Black Leads	TYPE 42 (Honeywell)

* Consult the factory for custom sensors.

PRODUCT SELECTION

[P1700 - Standard Sensor](#)

[P1710 - Standard Sensor, Moisture Protected](#)

[P1720 - Strap On Sensor](#)

[P1730 - Duct Sensor](#)

[P1740 - Room Sensor, Surface Mount](#)

[P1750 - Outdoor Air Sensor](#)

[P1760 - Averaging Duct Sensor](#)

[P1770 - ImmersionSensor](#)

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