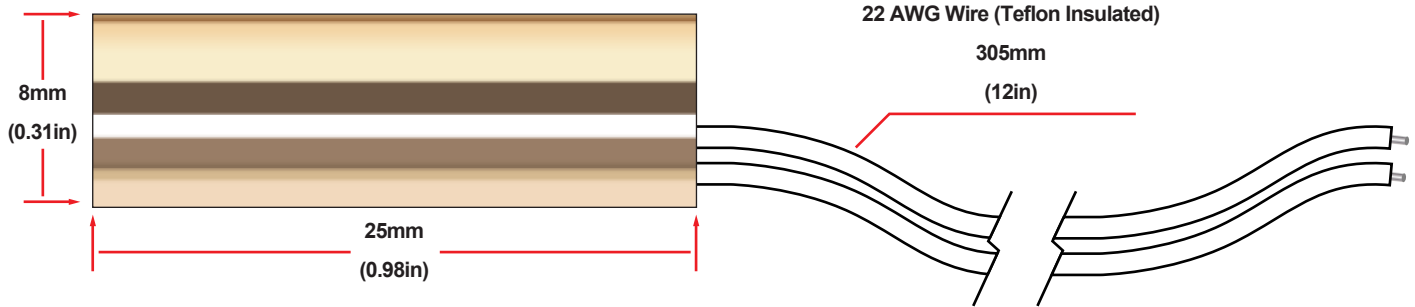


Brass Universal Sensor Specifications

The Universal Sensor is a 10 kΩ temperature sensor designed to be strapped onto a pipe. It can be used with any HBX control sensor input, but is most commonly used to monitor supply and return water temperatures. This product has a brass sleeve for fast response, a wide operating range, an indent to allow pipe strap on installation, and 1 ft. (305 mm) of 2-conductor wire.



Material	
Encapsulation:	Brass Sleeve
Lead wire:	22#105°C Teflon

Parameters	
Zero Power resistance R25 (KΩ):	10±2%
B value (K):	3892±1%
Dissipation factor (mW/°C):	≥2.2
Thermal time factor (S):	≤15
Operating temperature (°C):	-55~+125
Insulation resistance (MΩ):	≥500
Insulation voltage (V/AC):	1500
Warranty:	2 Years

Features

- 10K thermistor
- Very fast temperature response
- Thermistor accuracy of +/-0.2°F
- Corrosion resistant brass sleeve
- CSA and C US Approved for use in USA and Canada

Temperature		Resistance	Temperature		Resistance	Temperature		Resistance	Temperature		Resistance
°F	°C	Ω	°F	°C	Ω	°F	°C	Ω	°F	°C	Ω
-40°	-40°	336,479	68°	20°	12,493	176°	80°	1,255	284°	140°	235
-31°	-35°	242,681	77°	25°	10,000	185°	85°	1,070	293°	145°	208
-22°	-30°	176,974	86°	30°	8,057	194°	90°	915	302°	150°	186
-13°	-25°	130,421	95°	35°	6,531	203°	95°	786	311°	155°	166
-4°	-20°	97,081	104°	40°	5,326	212°	100°	678	320°	160°	148
5°	-15°	72,957	113°	45°	4,368	221°	105°	587	329°	165°	133
14°	-10°	55,329	122°	50°	3,602	230°	110°	510	338°	170°	119

Contact Information

4516-112th Avenue SE
Calgary, Alberta T2C 2K2
CANADA

Phone: +1 (403) 720 0029
Fax: +1 (403) 720 0054
Email: info@hbxcontrols.com