

HIGH ACCURACY REMOTE PROBE STRAP-ON TEMPERATURE TRANSMITTER with LCD **HATDRP Series**

The high accuracy single point strap-on temperature transmitter incorporates a precision platinum RTD encapsulated in a 6 mm (0.236") OD, 304 stainless steel probe and is available in various lengths (see ordering chart). All probes provide excellent heat transfer, fast response and resist moisture penetration. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response for measurement of pipe temperatures. A weatherproof Polycarbonate enclosure is incuded for ease of installation. An LCD is provided in either °C or °F.



SPECIFICATIONS:

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Sensor Type:	. 1000 ohm platinum RTD	PA
Sensor Accuracy:	. RTD Class A: ±0.15°C @ 0°C	П
	RTD 1/3 DIN: ±0.1°C @ 0°C	l
	RTD 1/10 DIN: ±0.03°C @ 0°C	l
Probe Sensing Range:	20 to 105°C (-4 to 221°F)	ᆫ
Wire Material:	. PVC insulated, parallel bonded, 22 AWG	PF
Wire Length:	. 1.524 m (5')	
Probe Material:	. 304 Series Stainless Steel	М
Probe Diameter:	. 6 mm (0.236")	
Standard Lengths:	. 50, 100, 150, 200, 300, 450 mm	H
	(2", 4", 6", 8", 12", 18")	
Output Signal:	. 4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc	
	(factory configured)	
Transmitter Accuracy:	. ± 0.2% of span, including linearity	
Power Supply:		
	20 mA for current, 11 mA for voltage	
Protection Circuitry:	Reverse voltage protected and output limited	
Ouput Drive @ 24 Vdc:	700 ohms max for current output,	
	20K ohms min for voltage output	
LCD Display Units:	°C or °F (factory configured)	
	3 digit for -88.8 to 888 as required	
	38.1mm W x 16.5 mm H (1.5" to 0.65")	
	11.4 mm (0.45") plus °C/°F symbol	
Ambient Operating Range:		
	0-95 %RH non-condensing	
Enclosure:	. Grey polycarbonate, UL94-V0, IP65 (NEMA 4X)	
	F style includes thread adapter (1/2" NPT to M	16)
	and cable gland fitting	
Wiring Connections:	. Screw terminal block (14 to 22 AWG)	

TYPICAL INSTALLATION:

Country of Origin:.....Canada

For complete installation and wiring details, please refer to the product installation instructions.

For best results, thermal conductive compound should be applied to pipe prior to mounting the probe.

Find a suitable location along the pipe where both the probe and remote enclosure can be mounted. If necessary, remove a section of insulation from pipe. Position probe directly on the pipe and secure using a pipe clamp. For added security, make 1 to 3 loops of the sensor cable around the pipe and feed through wire hole on the enclosure and secure using the supplied grommet. If applicable, the pipe insulation can be re-applied to the pipe over the probe.

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description	
HATDRP	ligh Accuracy Remote Probe Strap-on Temperature Transmitter with Display	

CODE	Enclosure
B F	Polycarbonate, with hinged & gasketed cover Same as B, with thread adapter & cable gland fitting

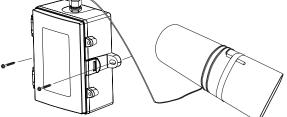
CODE	Display Units
C F	Celsius Fahrenheit

C	ODE	Sensor
	18 48 22	1000 Ω , Platinum, wire 2, IEC 751, 385 Alpha, thin film, Class A 1000 Ω , Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN 1000 Ω , Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN

CODE	Cable Length	
Α	50 mm (2)	
В	100 mm (4")	
C	150 mm (6")	
D	200 mm (8")	
	CODE	Output

E		0-10 Vdc 3 wire	
		CODE	Scaled Range
		001 002	0 to 35°C (32 to 95°F) 0 to 50°C (32 to 122°F)

4-20 mA 2 or 3 wire



Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

Wiring:

Terminal PWR TEMP (2)

Function Power Supply Power Supply Common Temperature Sensor Input

NO COM NC

Relay Output - Normally Open Contact Relay Common Relay Output - Normally Closed Contact

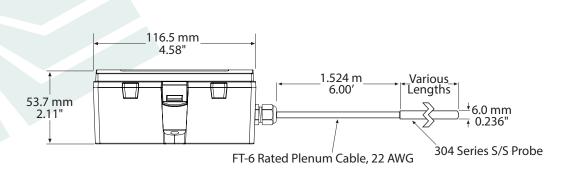




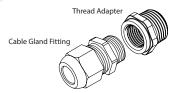








Included with F style enclosure





GREYSTONE

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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leadingedge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.