

Environmental Monitoring System

Humidity, Temperature, & Pressure



Model : HTI 190



Model : HTI 197



Model : HTP 196

Sensors



INTRODUCTION

Measurement of relevant climatic data is becoming more and more important in Clean room , Storage, Manufacturing, Testing and Calibration lab, Research lab etc,. This Humidity, Temperature & Pressure indicator offer very accurate measurement of Relative Humidity, Temperature and Absolute pressure (or) differential pressure by excellent readability of very high intensity seven segment LED display. The Humidity ,Temperature & Pressure indicator housed with rugged case allow to use in tough industrial environments, Latest technology and well proven sensor guaranteed high accuracy and long term stable measurement.

Applications

- ☐ Meteorology lab
- ☐ Pharmaceutical
- ☐ Ventilation air conditioning
- ☐ Food processing industries
- ☐ Testing and calibration labs
- ☐ Research lab, etc.,.

FEATURES

- ✓ High intensity, 7 segment LED display for long distance viewing.
- ✓ Pre selectable (Low & High) alarm output for all three parameter.
- ✓ Two relay with one buzzer output.
- ✓ Easy wall mountable with key hole provision.
- ✓ Compact in size and rugged use, etc.,.

Technical Specifications

Model	HTI-190	HTI-197	HTP-196
Display	1 line , 4 digit , 0.5" 7 segment LED	2 line , 4 digit , 0.5" 7 segment LED	3 line , 4 digit , 0.5" 7 segment LED
Parameter	Temperature	Temperature & Humidity	Temperature, Humidity & Absolute or differential (pressure)
Range	0 to 60°C	0 to 60°C / 0 to 100%RH	0 to 60°C / 0 to 100%RH / 0 to 2000mbar A or ± 50 pa
Resolution	0.01°C	0.01°C / 0.1%RH	0.01°C / 0.1%RH / 1mbar A (or) 0.01pa
Accuracy	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$ / $\pm 3\%$ RH	$\pm 0.5^\circ\text{C}$ / $\pm 3\%$ RH / $\pm 0.5\%$ FS
Set point	Low & High	Low & High for both Parameter	Low & High for all three Parameter
Relay	1 relay with 5A rating	2 relay with 5A rating	2 relay with 5A rating with selectable parameter
Weight	520 gms	540 gms	640 gms
Sensor	PT-100 sensor with 2 meter cable	PT-100 & Humidity sensor with 2 meter cable	PT-100, Humidity & Temperature sensor with 2 meter cable
Operating Environment	0 to 50°C / 20 to 95%RH Non condensing		
Supply	90 to 270V AC / 50Hz		
Dimension	100 mm W x 250 mm H x 60 mm D		
Mounting	Wall mountable with key hole provision		
Buzzer	Inbuilt		

Note: Optional 1: Additional cable for sensor is available on extra cost.

Optional 2: High accuracy Humidity, Temperature & Pressure sensor are available at extra cost on request.



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879

(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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