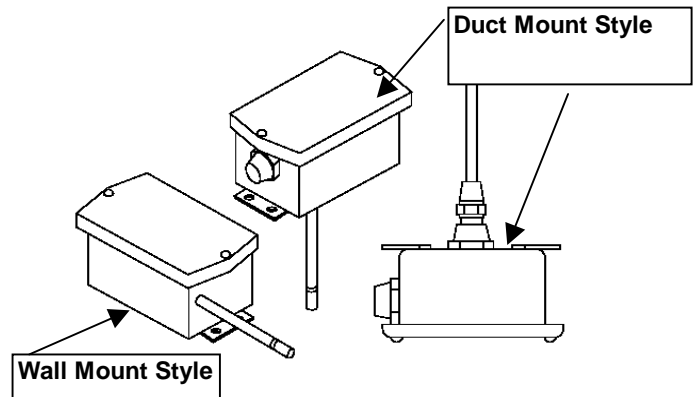


H4114 DewPoint & Temperature Transmitter

Model Selection Guide

- Dual output moisture and Temperature transmitter
- Moisture output can be dew point, % RH, Humidity Ratio or wet Bulb temperature
- Operating Temperature up to 540°C (1000°F) with cooler
- NIST Traceable calibration
- See Product Spec 70-82-03-22 for further detail



Instructions

- Select the desired Key Number. The arrow to the right marks the selection available.
- Make one selection each from Table I using the column below the proper arrow.
- A dot (•) denotes unrestricted availability.

Key Number I II III IV (Optional)

_____ - _____ - _____ - _____ - _____

KEY NUMBER

| Description | Selection | Availability | |
|--|-----------|--------------|---|
| H4114A Dew Point and Temperature Transmitter, without NPT Fitting on Probe | H4114A | ↓ | |
| H4114B Dew Point and Temperature Transmitter, with 1/2" NPT Fitting on 350 psi probe | H4114B | | ↓ |

TABLE I - PROBE LENGTHS

| | | | |
|---|----|---|---|
| Standard Length 2 Inches / 50,8 mm | 02 | | • |
| Standard Length 8 Inches / 203,2 mm | 08 | • | |
| Standard Length 12 Inches / 304,8 mm | 12 | | • |
| Non-Standard Probe Lengths - Specify inches | | | |
| 6 Inches / 152,4 mm | 06 | • | • |
| 8 Inches / 203,2 mm | 08 | | • |
| 12 Inches / 304,8 mm | 12 | • | |
| 24 Inches / 609,6 mm | 24 | | • |
| 30 Inches / 762,0 mm | 30 | | • |

TABLE II - STANDARD RANGE AND OUTPUT OPTIONS

| Application | 4-20 mA Output | Selection | Availability | |
|---|---|-----------|--------------|--------|
| | | | H4114A | H4114B |
| Dew Point: General Use including industrial drying | Dry Bulb Temp: 0°C to 204.7°C (32°F to 400.5°F) | D1 | • | • |
| | Dew Point Temp: -104.7°C to 100°C (-156.5°F to 212°F) | | | |
| Dew Point: Tight Mid Range control, as in clean rooms, etc. | Dry Bulb Temp: 0°C to 40.94°C (32°F to 105.69°F) | D2 | • | • |
| | Dew Point Temp: -12.8°C to 28°C (8.96°F to 82.67°F) | | | |
| Dew Point: Ideal for trace moisture measurements i.e. instrument air, dry gas, and outdoor measurements. | Dry Bulb Temp: -50°C to 52.3°C (-58°F to 126.14°F) | D3 | • | • |
| | Dew Point Temp: -60°C to 42.3°C (-76°F to 108.14°F) | | | |
| Dew Point: Trace Moisture with higher dry bulb capabilities than D3 | Dry Bulb Temp: -17.8°C to 93.3°C (0°F to 200°F) | D4 | • | • |
| | Dew Point Temp: -17.8°C to 37.8°C (0°F to 100°F) | | | |
| Wet Bulb Output: Valid at 1 atmosphere atmosphere total pressure | Dry Bulb Temp: 0°C to 204.7°C (32°F to 400.5°F) | W1 | • | • |
| | Wet Bulb Temp: -10°C to 100°C (14°F to 212°F) | | | |
| High Accuracy Relative Humidity Output | Dry Bulb Temp: 0°C to 204.7°C (32°F to 400.5°F) | R1 | • | • |
| | Relative Humidity 0 to 100% | | | |
| Humidity Ratio Output: Valid at 1 atmosphere total pressure | Dry Bulb Temp: 0°C to 204.7°C (32°F to 400.5°F) | H1 | • | • |
| | Humidity Ratio: 0 to 0.5lb H ₂ O/lb dry air (0-3500 grains/lb) | | | |
| Humidity Ratio Output: Valid at 1 atmosphere total pressure | Dry Bulb Temp: 0°C to 40.94°C (32°F to 105.69°F) | H2 | • | • |
| | Humidity Ratio: 0 to 0.024lb H ₂ O/lb dry air (0-168 grains/lb) | | | |
| Humidity Ratio Output: Valid at 1 atmosphere total pressure | Dry Bulb Temp: -50°C to 52.3°C (-58°F to 126.14°F) | H3 | • | • |
| | Humidity Ratio: 0 to 0.05lb H ₂ O/lb dry air (0-350 grains/lb) | | | |

TABLE III - PROBE MOUNTINGS

| | | | |
|-------------------------------|-----|---|---|
| Duct Mount or Insertion Mount | 111 | • | • |
| Wall Mount | 112 | • | |

TABLE IV - OPTIONS *

| | | | |
|---|-----|---|---|
| No Selection | 000 | • | • |
| Stainless Steel Tag, up to 22 Characters on each of 3 lines | 208 | • | • |

* See H4113 Accessories MSG (page DPM-9) for coolers, filters, calibration items