



GE Measurement & Sensing Technologies
General Eastern Instruments

INDUSTRIAL HUMIDITY MEASUREMENT



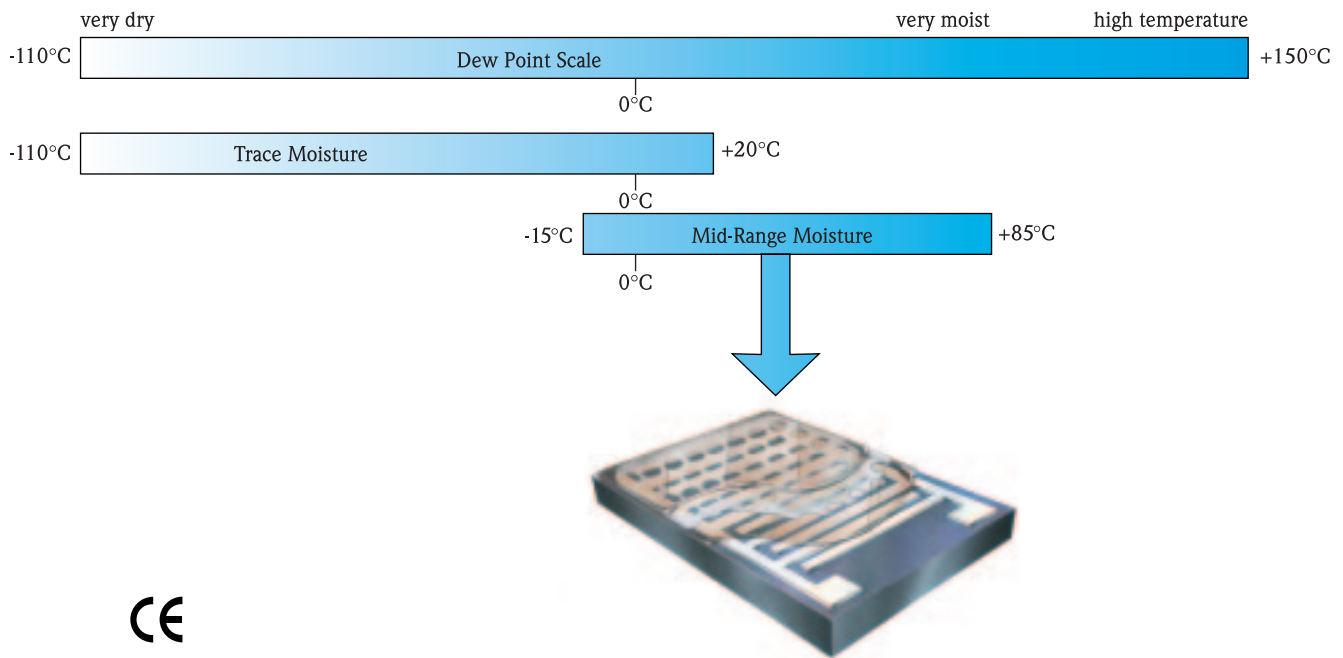
**Instrumentation for Your
Process Applications**

The DewPro[®] Industrial Measurement Series

From automotive manufacturing (i.e. painting) to the environmental control equipment used in cleanrooms and laboratories, the production of polymers, textiles, ceramics, food, to metal heat treating, power plants and more, control of moisture levels is critical. Precise control is impossible, however, without accurate measurement and monitoring. The DewPro[®] Industrial Moisture Line of transmitters and probes from General Eastern provides economical, accurate, and versatile solutions for a wide variety of industrial process control requirements.

When Moisture Matters

While moisture can be a contaminant in certain processes, it may also be crucial to some applications, such as the production or drying of artificial fibers, pharmaceuticals, and a host of other materials. With many process variables, the precise measurement of moisture levels is often the most crucial. The DewPro Industrial Series provides accurate, reliable moisture analyzers for dew point temperatures from -15°C to $+150^{\circ}\text{C}$.



Relative Humidity Sensor Technology

A polymer dielectric sensor provides capacitance technology for gaseous applications with dew point temperatures above -15°C . Interdigitated electrode fingers, a polymer layer, a porous protective metal layer, and a second polymer layer complete the construction of the capacitance sensor element (see illustration above). The capacitance of the polymer sensor is directly related to the relative humidity (RH) of gases. An integrated platinum temperature sensor accounts for the temperature dependence of RH.

Features

Depending on the model selected, DewPro® Industrial Series Moisture Analyzers provide:

- Simple two-wire connection 4 to 20 mA loop-powered
- Polymer dielectric sensor system for accurate, reliable measurement
- Integral filtering and flow regulation — no sampling system needed
- Easy mounting
- Easy programming in the field



RH-Plus MR 2350 Applications:

- Clean rooms
- Food processing & storage
- ETO sterilizers
- Medical air dryers
- Refrigerant dryers
- Heat treating
- Pharmaceutical/medical storage
- Leak testing



MMR30 Applications:

- Refrigeration drying
- Refrigeration dryer manufacturing



MMR31 Applications:

- Cleanrooms
- Food storage
- HVAC and refrigeration
- Pharmaceutical/Medical storage
- Many other applications



MDR3

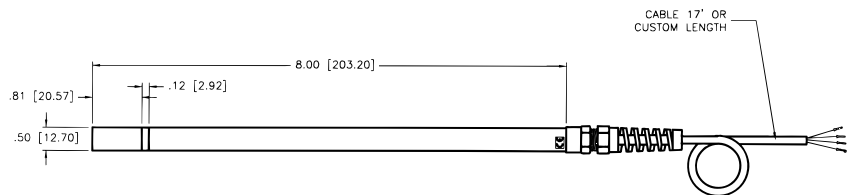
Relative Humidity Probe

DewPro® MDR3 Series probe includes a removable filter cap for easy cleaning in dirty applications. The probe incorporates a polymer dielectric capacitance sensor for quick response times and accurate dew point measurements as well as a platinum RTD for temperature measurement. The MDR3 has been approved by SIRA (CENELEC) and FM (Factory Mutual, USA) as EEx ia IIC T4 for use in hazardous areas with intrinsic safety barriers.



Features:

- Proven, polymer capacitive sensor
- Platinum RTD temperature sensor
- Trouble-free indoor or outdoor mounting
- Approved for use in hazardous areas with intrinsic safety barriers



Dimensional Drawing & Ordering Information: See page 14

Ordering Information: See page 8

Probe Specifications

| | | | |
|--|---|--------------------------------|--|
| Sensing Element: | Silicon-based polymer, capacitance principle, IC electronics | Signal Transmission: | Moisture and temperature frequencies allowing 1000 ft. (350 meters) of standard four-wire cable (shielded to maintain EMI/RFI/ESD resistance) |
| RH Range: | 0 to 100% | Probe Tube: | 316 stainless steel; 0.5" diameter; 6.8" long (12.7 mm x 172 mm) |
| RH Accuracy: | ±2% in the range of 0% to 90% ±3% in the range of 90% to 100% | Typical Probe Mounting: | 0.5" tube x 0.5" MNPT compression fitting or ANSI flange |
| Dew Point Range: | -15°C to +75°C (5°F to 167°F) | Sensor Guard: | Rugged, removable, easy-to-clean, 100 micron sintered 316 L stainless steel filter; additional hydrophobic filter on the sensor element allowing the penetration of water vapor but not water droplets |
| Dew Point Accuracy: | Better than ±1°C (±1.8°F) if T>30°C (86°F) and RH>40%, T<30°C (86°F) and RH>30% | Weight: | 0.5 lbs. (0.23 kg) |
| Repeatability: | Better than 0.5% RH | Approval: | CENELEC, FM (EEx ia) IIC T4, 95°C (203°F) using the Zenar barrier kit IS 20 ST from General Eastern or equivalent |
| Hysteresis: | Less than ±0.9% | | |
| Standard Operating Temperature: | -10°C to +85°C (14°F to 185°F) | | |
| Temperature Accuracy: | ±0.5°C (±0.9°F) | | |
| Maximum Operating Pressure: | 250 psig (17 bar) | | |
| Sensor Electronics: | Integrated circuitry with a platinum RTD temperature sensor | | |

RH-Plus MR 2350

Relative Humidity Analyzer

The RH-Plus MR 2350 is a moisture analyzer designed to operate with the General Eastern MDR3 Relative Humidity Probe. The unit offers an optional input that can be used for pressure compensation, an external temperature probe, or any other sensor this input can be configured to accept 0 to 5 VDC and 4 to 20mA.

The standard product comes with one current output (0-20 mA or 4-20 mA), a system alarm relay, and 3 adjustable relays, all with single-pole double-throw 2.5A contacts, selectable failsafe mode, and adjustable hysteresis. One or two additional current outputs are available.

The Model MR2350 is available in both wall mount or panel mount configurations. When used with the MDR3 Humidity Probe, the system is capable of providing relative humidity readings in the range of 0-100% RH over a temperature range of -15°C to +85°C. When used with approved Zener Barriers the Model MR 2350 is approved as intrinsically safe for use in hazardous areas by Cenelec and FM.



Ordering Information: See page 9

Features:

- Optional pressure or temperature compensation
- One or three current outputs
- Three adjustable relay outputs plus system alarm
- User-configurable for a wide variety of applications
- Two Line LCD

MR 2350 Analyzer Specifications

| | |
|-------------------------------------|--|
| Electronics: | State of the art micro-controller providing utmost flexibility to meet application needs |
| Standard Inputs: | 2 (moisture and temperature) |
| Optional Input: | For pressure transducer providing live pressure compensation or other sensor. Signals: 0/1 to 5V, 0/4 to 20mA loop powered, or 4 to 20 mA. If live measurement is not available, pressure compensation can be achieved by entering a constant pressure value in matrix location V3HO |
| Moisture Probe: | Interconnects with MDR3xx probe |
| User Interface: | Five push-buttons, easy configuration using a matrix |
| Display: | Alpha-Numeric LCD, displays measured value with units of measure, matrix location and programming instructions, error indication with error code if malfunction occurs; user selectable scanning feature alternating the display every 5 seconds through active channels (3 max) |
| EMI/RDI/ESD Protection: | Full compliance with EN 61326-1 |
| Units of Measure: (Moisture) | rh%, dew point °C, °F, g/m ³ , g/kg, Tw °C, °F (Wet Bulb Temperature, vapor pressure in hPa, mmHg, process pressure calculated dew point °C, °F, rh% calculated from separate temperature value (needs temperature measurement using the optional input) |
| Units of Measure: (Pressure) | For optional input used with a pressure transducer: bara, barg, psia, psig, hPaa, hPag |
| Measurement Ranges: | User Programmable |
| Analog Outputs: | 3, each configurable to any input, 0/4 to 20 mA, load resistance <500 Ohms, 0/1 to 5V, source resistance 249 Ohms, user selectable range, user selectable condition in case of error to 110%, -10% or hold at last measured value |
| Digital Outputs: | 4 relays (SPDT dry contacts rated at 250V AC, 2.5 A, PAC = 300VA, cos phi > 0.7, P DC 100W, 100 VDC). 1 relay is system alarm. 3 relays are configurable to any input failsafe mode: energized/de-energized selectable, programmable hysteresis, high/low alarm selectable |
| Serial Output: | RS 485, sends measured values continuously |
| Serial Communication: | RS 485, needs GEI communication software for setup or diagnostics |
| Program: | Non-volatile memory |
| Data : | EEPROM |
| Cable Entry: | Metic cable glands M12, 2XM16, M20 |
| Oper./Storage Temp: | -10°C to 50°C (14°F to 122°F) |
| Supply Power: | 85 to 275 VAC, optional 18 to 36 VDC |
| Enclosures: | Wall mount, IP54, NEMA 12, separate connection compartment, panel mount |
| Weight: | 1 kg (2.2 lbs) |

MDR3 Probe Specifications

| | |
|---------------------------------|--|
| Sensing Element: | Silicon-based polymer, capacitance principle, IC electronic |
| RH Range: | 0 to 100% |
| RH Accuracy: | ±2% in the range of 0 to 90%; 90 to 100% ±3% |
| DP Range: | 5°F to 185°F (-15°C to +85°C) |
| DP Accuracy: | Better than ±1.8°F (±1°C) if T > 86°F (30°C) and RH > 40% or T < 86°F (30°C) and RH > 30% |
| Repeatability: | Better than 0.5% RH |
| Hysteresis | Less than ±0.9% |
| Standard Oper. Temp.: | 5°F to 185°F (-15°C to +85°C) |
| Temp. Accuracy: | ±0.9°F (±0.5°C) |
| Max. Oper. Pressure: | 250 psig |
| Signal Transmission: | Moisture and temperature converted to frequencies, allowing up to 1000 ft. of standard four-wire cable (shielded to maintain EMI/RFI/SD resistance) |
| Probe Cable Connector: | 17 ft. cable permanently attached, or junction box with screw terminals |
| Sensor Electronics: | Integrated circuitry with a platinum RTD temperature sensor |
| Probe Tube: | 316 stainless steel, 0.5" diameter, 8.9" long |
| Standard Probe Mounting: | 0.5" tube x 0.5" MNPT, 0.75" MNPT, G 12, 3/4" x 16 "O" ring compression fitting or ANSI flange |
| Sensor Guard: | Rugged, removable easy-to-clean, 100 micron sintered 316L stainless steel filter; additional hydrophobic filter on sensot element allowing penetration of water vapor but not water droplets |
| Weight: | 0.5 1lb |
| Approval: | CENELEC, (EEx ia) IIC T4, 203°F (95°C), FM Class 1, Div. 1 groups A-D using Zener barrier kit IS 20 ST from General Eastern or equivalent |

DewPro® MMR 30

The DewPro® MMR 30 is a compact, mid-range moisture transmitter probe designed specifically for refrigeration dryer manufacturers and users. The MMR 30 measures dew point at line pressure or atmospheric pressure and installs easily on a dryer outlet header.

The MMR 30 uses a proven polymer capacitive sensor to provide a measurement range of -15°C to +85°C (+5°F to +185°F) with ±1.0°C (±1.8°F) accuracy. The instrument can be configured and controlled with a PC using DewPro Communication software. With this software, the user can set the dew point range, adjust the loop content and read the dew point.

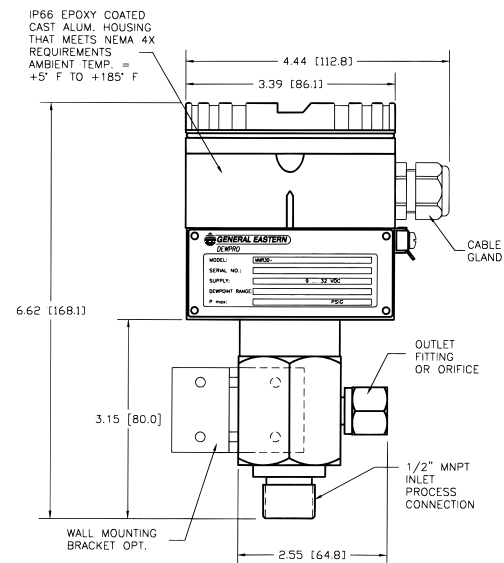


Features:

- 4 to 20 mA loop powered
- Simple two-wire connection
- Fast response times
- Trouble-free indoor or outdoor mounting
- Internal bypass system
- Eliminates sample system
- Measures at line pressure

Options:

- DewPro Communication Software
- English or Metric Fittings
- Integral display with user interface
- Power Supply
- Wall Mount Kit
- External display available with loop-power supply and alarm contacts



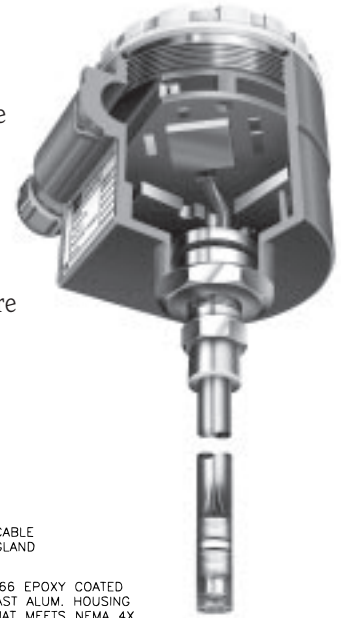
Ordering Information: See page 9

Specifications

| | | | |
|--|--|-------------------------------------|--|
| Sensing Element: | Silicon-based polymer, capacitance principle, IC electronics | Wrench Width for Flow Block: | 1-5/8" (42 mm) |
| Dew Point Range: | -15°C to +85°C (+5°F to +185°F) | Electronics: | Microprocessor controlled |
| Dew Point Accuracy: | ±1°C (±1.8°F) for dew points above 0°C (+32°F) | Moisture Unit: | Dew point temperature in °F or °C, hardware selectable |
| Repeatability: | ±1°C (±1.8°F) | Supply Power: | 24 V DC nominal, tolerance 12 to 32 V DC |
| Standard Operating Temperature: | -15°C to +85°C (+5°F to +185°F) | Protection: | NEMA 4X |
| Maximum Operating Pressure: | 250 psia (17 bar) | Weight: | 4.4 lbs. (2 kg.) |
| Output: | Loop current 4 to 20 mA; 16 µA resolution | | |
| Flow Block: | 316 stainless steel (1.440/1.4436) with 1/2" MNPT (G 1/2 thread (DIN ISO 228)) and gasket seal | | |

DewPro® MMR 31

The MMR 31 Loop Powered Moisture Analyzer represents a simple, cost-effective solution for mid-range moisture measurements. Whether you need to improve product economy, increase product quality, maintain comfort levels, or preserve the properties of stored foods or other supplies, the MMR 31 allows application flexibility. The MMR 31 can also be quickly recalibrated in the field using salt bottles. A second, isolated loop for temperature is optional. (U.S. patent # 5,677,476)

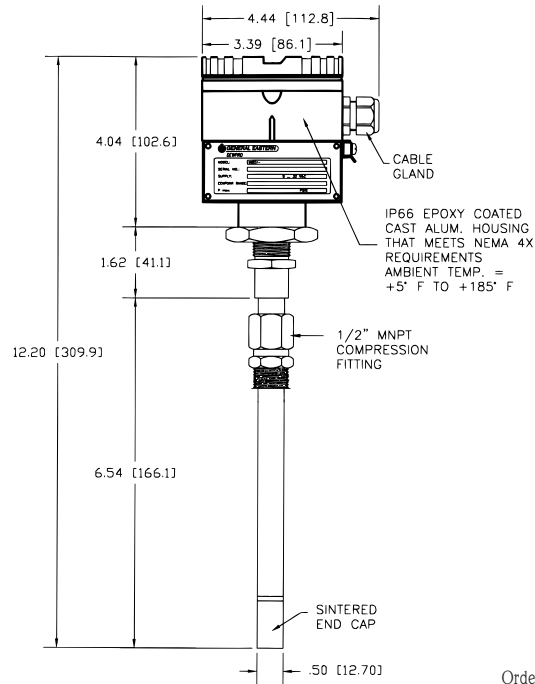


Features:

- Economical, versatile analyzer measures relative humidity, dew point, absolute humidity, mixing ratio
- Proven polymer capacitive sensor for fast response and calibration stability
- 0 to 100% RH or dew point measurement range of -15°C to +85°C
- Simple, two-wire connection (4 to 20 mA)
- Easy mounting with standard compression fittings
- Simple field recalibration with salt bottles
- NEMA 4X (IP67) Enclosure

Options:

- Wall mount kit
- DewPro Communication Software
- Integral Display with user interface
- Second isolated loop (patented) for temperature
- English or Metric fittings
- External display available with loop-power supply and alarm contacts



Ordering Information: See page 10

Specifications

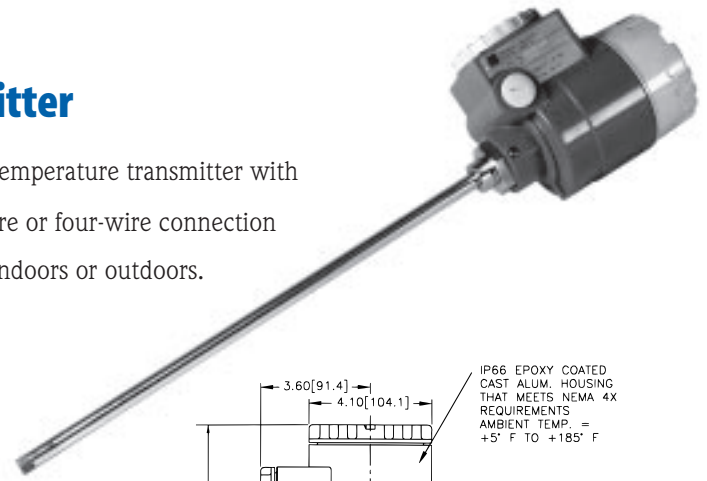
| | |
|-------------------------------------|---|
| Sensing Element: | Silicon-based polymer, capacitance principle, IC electronics |
| RH Range: | 0 to 100% |
| RH Accuracy: | ±2% in the range of 0% to 90% ±3% in the range of 90% to 100% |
| Dew Point Range: | -15°C to +85°C (+5°F to +185°F) |
| Dew Point Accuracy: | Better than ±1°C (±1.8°F) if T>30°C (86°F) and RH>40%, T<30°C (86°F) and RH>30% |
| Repeatability: | ±1°C (±1.8°F) |
| Operating Temperature Range: | -15°C to +85°C (+5°F to +185°F); temp. signal available with second loop |
| Temperature Accuracy: | 0.5°C (±0.9°F) |
| Absolute Humidity Range: | 1 to 350 g/m ³ |
| Mixing Ratio Range: | 1 to 830 g/kg |

| | |
|------------------------------------|---|
| Maximum Operating Pressure: | 250 psia (17 bar) |
| Outputs: | Loop current 4 to 20 mA, 16 µA resolution Optional output for temperature |
| Electronics: | Microprocessor controlled |
| EMI/RFI Protection: | Meets IEC 801-1 through 6 |
| Moisture Units: | % RH, dew point temperature in °F or °C, absolute humidity in g/m ³ , or mixing ratio in g/kg, hardware selectable |
| Power Supply: | 24 V DC nominal, 12 to 32 V DC range, or tolerance +8 V DC to -15 V DC |
| Protection: | NEMA 4X (IP 66) |
| Probe Tube: | 316 SS, 1/2" (12.7mm) diameter, insertion length 3.0" (75mm) to 5.9" (150mm), adjustable |
| Typical Probe Mounting: | 1/2" tube x 1/2" MNPT or 1/2" tube x G 1/2 compression fitting |
| Weight: | 4.4 lbs (2 kg) |

DewPro[®] MMR 101

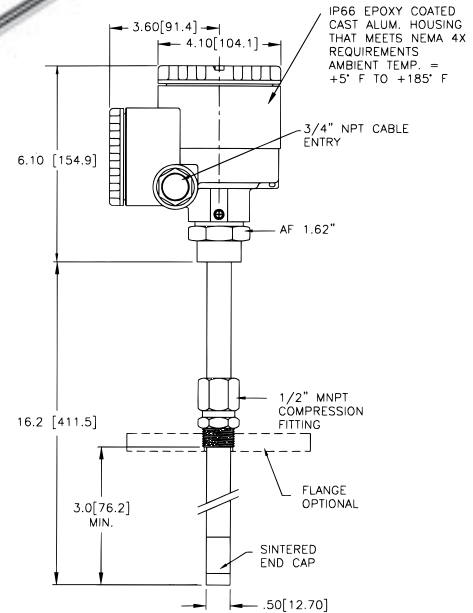
High-Temperature Moisture Transmitter

A high-temperature loop-powered moisture and temperature transmitter with two current loops for in-line measurement. Simple two-wire or four-wire connection and rugged, stable housing ensure trouble-free mounting indoors or outdoors.



Features:

- Operating temperature up to 150°C (302°F)
- 0 to 100% relative humidity
- Dew point 0°C to 150°C (32°F to 302°F)
- 4 to 20 mA loop-powered
- Second isolated 4 to 20 mA loop for temperature measurement (patented)
- 1/2" MNPT or other process connections
- Capacitive polymer sensor
- Platinum RTD temperature sensor
- Microprocessor electronics in NEMA 4X enclosure (IP 66)
- IS or x-proof FM approved



Options:

- Integral Display with user interface
- English or Metric fittings
- External display available with loop-powered supply and alarm
- DewPro Communication Software contacts

Ordering Information: See page 10

Specifications

| | | | |
|-------------------------------------|--|-------------------------------------|--|
| Sensing Element: | Polymer; capacitance | Hardware Selectable Units: | 0% to 100% RH, 0°C to 100°C or 32°F to 212°F dew point (up to 320°F or 150°C under system pressure), 0 to 1000 g/m ³ absolute humidity, and 0 to 1000 g/kg mixing ratio dry air |
| RH Range: | 0 to 100% | Standard Temperature Output: | 0°C to 150°C (32°F to 302°F) range |
| RH Accuracy: | ±2% | Display: | 4-digit numeric display with bar graph and matrix position indication. Four user interface keys for unit selections, output adjustments and ranging |
| RH Resolution: | ±0.02% | Protection: | NEMA 4X (IP 66) or X-proof |
| RH Repeatability: | ±1% | Probe Tube: | 316 SS, 0.5" diameter. Adjustable insertion length from 3" (76.33 mm) to 14.25" (362 mm) |
| Temperature Sensor: | Platinum RTD | Typical Mounting Adapter: | 1/2" tube x 1/2" MNPT compression fitting; flanges and other sizes available upon request |
| Process Temperature Range: | 0°C to +150°C (+32°F to +302°F) | Sensor Guard: | 40 micron sintered filter, 316 SS cap |
| Temperature Accuracy: | ±1.1 °C (±2°F) | Weight: | 4.4 lbs (2 kg) |
| Temperature Resolution: | 0.05°C (0.09°F) | | |
| Operating Temperature Range: | Electronics, -40°C to +85°C (-40°F to 185°F) | | |
| Maximum Operating Pressure: | 150 psi (10.2 bar) | | |
| Electronics: | Microprocessor controlled, loop-powered | | |
| EMI/RFI Protection: | Meets IEC 801-1 through 801-6 | | |
| Loop Power Supply: | 24 V DC nominal, 12 to 32 V DC range | | |
| Outputs: | Two fully isolated 4 to 20 mA current loops (moisture and temperature) patented (U.S. patent #5,677,476) | | |

Ordering Information

EXAMPLE: MDR 3 - 5 Y 23 R 5

5 Probe mounted directly to the analyzer

Y Other

23 For use with rh-plus 2350

R Standard configuration, not certified

5 Without cable

MR 2350 - 1 2 3 4 5 6

1 **Certification Approvals**

- R For safe area
- Y Other

2 **Enclosure**

- 2 Field enclosure (wall mount), NEMA 12, IP 54, HWD = 245 x 133 x 65 mm probe mounted to analyzer (order probe MDR3 - 5A22R5 separately)
- 4 Panel mount 5.67" x 5.67" (144 x 144 mm), 8.23" (209 mm) depth
- 5 Field enclosure (wall mount), NEMA 12, IP 54, HWD = 245 x 133 x 65 mm
- 7 NEMA 7 enclosure, Class 1, Div. 1 and 2, Groups B, C and D
- 8 Panel mount (see option 4) but with lockable door
- 9 Other

3 **Operation with**

- A MDR3xx relative humidity probe
- Y Other

4 **Operational Input**

- 1 None
- 2 One optional input for P, T, or other sensor (voltage or current)
- 9 Other

5 **Outputs**

- A One current output 0/4 to 20mA
- B Two current outputs 0/4 to 20mA
- C Three current outputs 0/4 to 20mA
- Y Other

6 **Power Supply**

- A \sim Line power 85 to 265 VAC, 47-63Hz, 0.2A
- B \equiv 18 to 36 VDC, 0.2A
- Y Other

Ordering Information

MDR 3 -

1

2

3

4

5

1

Mounting Hardware

- 1 3" galvanized floor flange with 12.7 mm compression fitting
- 2 3/4" MNPT compression fitting
- 3 1/2" MNPT compression fitting
- 4 3/4" x 16 "O" ring compression fitting
- 5 Probe mounted directly to the analyzer (must use cable option "5" and MR2250 enclosure option "2")
- 6 No mounting hardware
- 8 G 1/2 compression fitting, gasket, SS ferrule
- 9 Other

2

Probe Structure

- A Probe length 212 mm (8.35"), diameter 12.7 mm (1/2")
- B Probe with MNPT welded on (or junction box mounting)
- C Probe with junction box (must use cable option "5")
- K K-version, probe length 212 mm (8.35"), diameter 12.7 mm (1/2") (Harting connector)
- N Split-version, 212 mm, diameter 12.7 mm with 9" cable length (Special for Nuclear Power Plants and bio-filter)
- Y Other

3

Analyzer Version

- 22 For use with rh- plus 2250
- 28 For use with 2850 (order only structure B or C)
- 99 Other

4

Certification

- F FM, Class I, Div. 1, Groups A-D (Probe structure "A" or "C")
- K Certificate for nuclear power plants
- R Standard configuration, not certified
- S CENELEC, (EEx ia) IIC, T4 (95°C) (Probe structure "A" or "C" for use with 2250 only)
- Y Other

5

Cable Length

- 1 500 cm (17 feet) standard
- 2 50 cm, Harting connector (K-version) (1.64 feet)
- 3 cm Cable Length (50 to 30000 cm) (Price based on units of 100 cm)
- 4 1' to 1000' (Price based on units of 1 ft.)
- 5 *Without cable
- 9 Other

* For "5" option on mounting hardware for "C" option Probe structure

MMR 30 -

1

2

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4

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1

Certification

- R Standard (not certified for safe area)
- Y Other

2

Process Connection

- 1 Process connection 1/2" MNPT
- 3 Process connection G 1/2 (male thread)
- 9 Other

3

Orifice Configuration

- A Inlet: None, Outlet: Orifice, with 1/4" FNPT connections
- B Inlet: None, Outlet: Orifice, with (6 mm) 1/4" tube fitting*
- C Inlet: None, Outlet: None, with (6 mm) 1/4" tube fitting*
- D Inlet: Orifice, Outlet: None, with (6 mm) 1/4" tube fitting*
- Y Other

4

Enclosure Conduit

- 1 Enclosure Conduit 1/2" FNPT with cable gland and plug
- 2 Enclosure Conduit PG 16 (female) with cable gland and plug

5

Output Configuration

- A 1 x 4 to 20 mA, dew point -15°C to +85°C (5°F to 185°F), fault status: 22 mA
- C As A, fault status: hold
- D As A, fault status: 3.6 mA
- G As A, with integral display, user interface
- Y Other

* 1/4" tube fitting used with 1/2" MNPT process connection selection 6 mm tube fitting used with G 1/2 process connection selection

Ordering Information

MMR 31 -

1

2

3

4

5

1

Approvals

- R Standard (not certified, for use in safe areas)
- Y Other

2

Process Connection

- 1 3" diameter galvanized floor flange with 12.7 mm (1/2" MNPT) compression fitting
- 3 1/2" MNPT compression fitting
- 6 No mounting hardware
- 8 G 1/2 compression fitting (male thread), gasket, SS ferrule
- 9 Other

3

Protective Cap

- A Standard 100 micron sintered filter
- Y Other

4

Enclosure Conduit

- 1 1/2" FNPT with cable gland and plug
- 2 PG 16 (female) with cable gland and plug
- 9 Other

5

Configuration

- A One 4 to 20 mA selectable: RH 0 to 100% or dew point -15°C to +85°C (5°F to 185°F), absolute humidity, mixing ratio, no display, fault status 22 mA
- B Two 4 to 20 mA output loops: Moisture and temperature -15°C to +85°C (5°F to 185°F) no display, fault status 22 mA
- C As A, fault status hold
- D As A, fault status 3.6 mA
- E As B, fault status hold
- F As B, fault status 3.6 mA
- G As A but with integral display, user interface
- H As B with integral display, user interface
- Y Other

MMR 101 -

1

2

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1

Approvals

- A FM approved intrinsically safe, Class I, II, III, Div. 1, Grps A-G
- B FM approved explosion proof, Class I, Div. 1, Grps. A-D; dust-ignition proof Class I, II, Div. 1, Grps. E-G
- C FM approved non incandive Class I, Div. 2, Grps. A-D; dust-ignition proof Class II, III, Div. 2, Grps. E-G
- R Standard, no approvals
- Y Other

2

Process Connection

- 3 1/2" MNPT, male thread
- 6 No mounting hardware
- 8 G 1/2 male thread compression fitting
- 9 Other

3

Current Output Units

- C 4 to 20 mA = °C dew point (0° to 150°)
- D 4 to 20 mA = g/m³ (0 to 100)
- F 4 to 20 mA = °F dew point (32° to 302°)
- R 4 to 20 mA = % humidity (0 to 100%)
- X 4 to 20 mA = g/kg (0 to 100)
- Y Other

4

Built-in Display

- 1 With display and user interface
- 2 Without display, 22 mA fault signal
- 3 Without display, fault signal, hold last value
- 4 Without display, 3.6 mA fault signal
- 9 Other

5

Probe Length

- A 16" (406.4mm)
- B 9" (228.6mm)

Note: Intrinsically safe units require an IS power supply or intrinsically safe barriers.

The Right Solution for Your Application

General Eastern has over a quarter century of experience in the design, development, and production of global humidity sensing technologies, relative humidity sensors, transmitters, generators, and calibration equipment. The company provides standard and custom-designed humidity measurement solutions for countless applications over a wide range of industries. Whether your humidity-sensing needs entail choosing the correct sensing technology, the right sensor, or accurate advice, trust the experts.

The General Eastern Family of Humidity Measurement Products

- Sensors
- Humidity Transmitters
- Industrial Humidity Transmitters
- Process Humidity Transmitters
- Humidity Transfer Standards
- Humidity Generators

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GE Measurement & Sensing Technologies

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