

Model EDM-W and EDM-R

Wall and Rack Mounted Trace Moisture Analysers

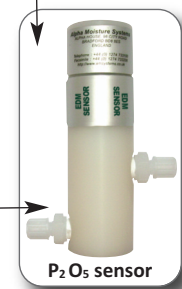
The **Model EDM-W and EDM-R Trace Moisture Analysers** are the next generation of successful measuring instruments that work on a basis of P_2O_5 sensors and are used for the determination of moisture in most gases (excluding NH_3 ammonia) in the ppm range.

They consist of a separately installed measuring cell mainly of PVDF (for aggressive gases), that can be integrated in a Gas Handling System, and an electronic evaluation unit.

Wall Mounted



Rack Mounted



**Colour Touch Screen -
Rugged - Accurate -**

Easy Set Up - 1 to 4 Channels.



Measuring instrument conforms with EN 61326

FEATURES

- The EDM-W and EDM-R can process up to 4 independent channels simultaneously.
- Sharp resolution, full colour, touch screen and easy to use screen with built in keyboard feature.
- The display can be set in ppm(v) or $^{\circ}C$ dewpoint.
- 4 languages available - English, German, Russian and Chinese.
- Advanced menu navigation.
- Manufactured according to ISO 9000.
- ATEX certification can be arranged.
- Status signals for every channel are supplied as volt free relays for:
 - failure
 - function control
 - maintenance requirements
 - moisture alarm
- Self monitoring of instrument function.
- All changes and settings are saved on several levels (user and administrator) with password protection.
- The analogue output can be scaled freely.

APPLICATIONS

- Producers and users of technical and medical gases
- Microelectronics
- Chemical industries (especially for technologies with aggressive gases)
- Mechanical and apparatus engineering
- Heat treatment / hardening processes
- Research and laboratories

**For more information on the Model EDM range Call +44 (0) 1274 733 100
or Email: info@amsystems.co.uk or see our website www.amsystems.co.uk**

The Model EDM-W and EDM-R has been specifically designed for the use with aggressive gases, especially Chlorine and HCl-gas. Chemically resistant material (PTFE, PVDF) is used for all wetted parts.

TECHNICAL DATA FOR MODEL EDM

Each channel

- Lower detection limit : 0.05 ppm(v)
- Measuring range : 0 - 2000 ppm(v)
- Resolution : 0.1 ppm(v)
- Auto sensor detection
- Sensor check
- Analogue output (free scalable) : 4-20 mA
- Alarm output (NO/NC) : fully adjustable volt free change over relays
- 3 Status relays according to NAMUR : volt free change over relays.

Measuring cell

- Body material : PVDF or stainless steel
- Sensor : Noble Metal
- Measuring gas flow : 20 NI/h
- Measuring gas temperature : +5 - +65 °C
- Measuring gas pressure : max. 200 mbarg
- Accuracy : ±5% of reading, not less than 0.4 ppm(v).
- Response time to a moisture event : Less 1 sec.
- Return time, T90 : Less than 2 min.
- Reproducibility at 20 ppm(v) : +/- 2%.
- Gas connection (PVDF) : 6mm dia. locking ring.
- Gas connection (Stainless Steel) : For 6mm, 1/8", 1/4"OD tube.
- Connection of measuring cell : 5 pin Binder plug.
- Measuring cable : 1.5m - 100m max.

Option:

Measuring cell mounted in an acrylic box with flow meter, 3 and 4 way valve for measuring and purging gases.

How to Order - Step 1 of 1

Select a Product below and number of sensors

Model EDM-W + [X]

Select number of Sensors/Channels: 1 or 2

Model EDM-R + [X]

Select number of Sensors/Channels: 1, 2, 3 or 4

Distributor Information

2 OF 2

1800 EDM-W/R pd130618-155-5

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Product specification may be subject to change.

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