

Trace Moisture Analyzer for Gas Applications

 cmc Instruments GmbH



iTMA | 19" Rack

Fixed or portable, the iTMA Trace Moisture Analyzer is IP-certified (IP 65, IP 66, IP 67) or designed to EX-Zones.

Designed as a split, dual system, you can guarantee the long lifespan and accurate analysis of the iTMA for your gas application.

Measuring Ranges (standard)

0 - 10 ppm
0 - 100 ppm
0 - 1000 ppm
0 - 2500 ppm



iTMA | Portable

19" Rack, Desktop, Wallmount, where simplifying space use is priority. Or, Portable, where mobility and accessibility needs you and your team to be more flexible.

Gas Purity At Its Top

Keeping a precise moisture monitoring and management of gases is critical to quality in the processes and final product for industries such as mining, refrigeration, pharmaceuticals, and inert gases. This becomes a critical factor in harsh operating and/or remote environments where avoiding corrosion can make or break the processes.

To keep absolute control of the moisture worked with, and have reliable and accurate information, you need a system that gives you live data points, in an intuitive and efficient way, not only onsite, but also remotely.

The iTMA brings you reliable and accurate information to perform precise (and continuous) analysis, enabling you to place the sensor the closest to the sampling source, without the risk of corrosion or fast wear of the electronics. This ensures you to have accurate readings, consistently, and at the right time.

Equipped with an easy-to-use interface, multilingual option operation and both data recording and remote cloud accessibility, keeping moisture under control becomes a simple, yet highly accurate task.

From clean air and gases to chlorine bottle testing, to gases that can't take aluminum oxide fumes, you can analyze the moisture levels from 0 to 2500 ppm —even in corrosive environments where durability and resistance is key.

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iTMA

Technical Data Sheet

Technical Specification:

Measuring Ranges [ppm]

0-10 / 0-100 / 0-1000 / 0-2500

Sensitivity [ppm]

0.01 (0-10) / 0.1 (0-100) / 1.0 (0-1000 / 0-2500)

Operating Modes

Automatic, Manual

Display

Color Touch LCD, Multifunctional

Data Interfaces

USB, WIFI

Sample Flow Rate

20 or 100 sl/h

Dimensions (W x H x D) iTMA

425 x 200 x 350 mm

Weight iTMA

9 kg

Dimensions (W x H x D) Sampling System

425 x 200 x 350 mm

Weight Sampling System

9 kg

Gas Connections

6 mm tube fitting

Sensor Material

Glass, Platinum Electrodes

Sensor Housing

Stainless Steel | Hastelloy

Power Supply

80-230 VAC / 50-60 Hz, incl. internal battery

Operating Temperature

+5 °C to +50 °C

Sample Gas Temperature

+5 °C to max. +150 °C

Sensor Cable

3 m, both sides with 6.35 mm plug

O-Rings

FEP/Viton



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