

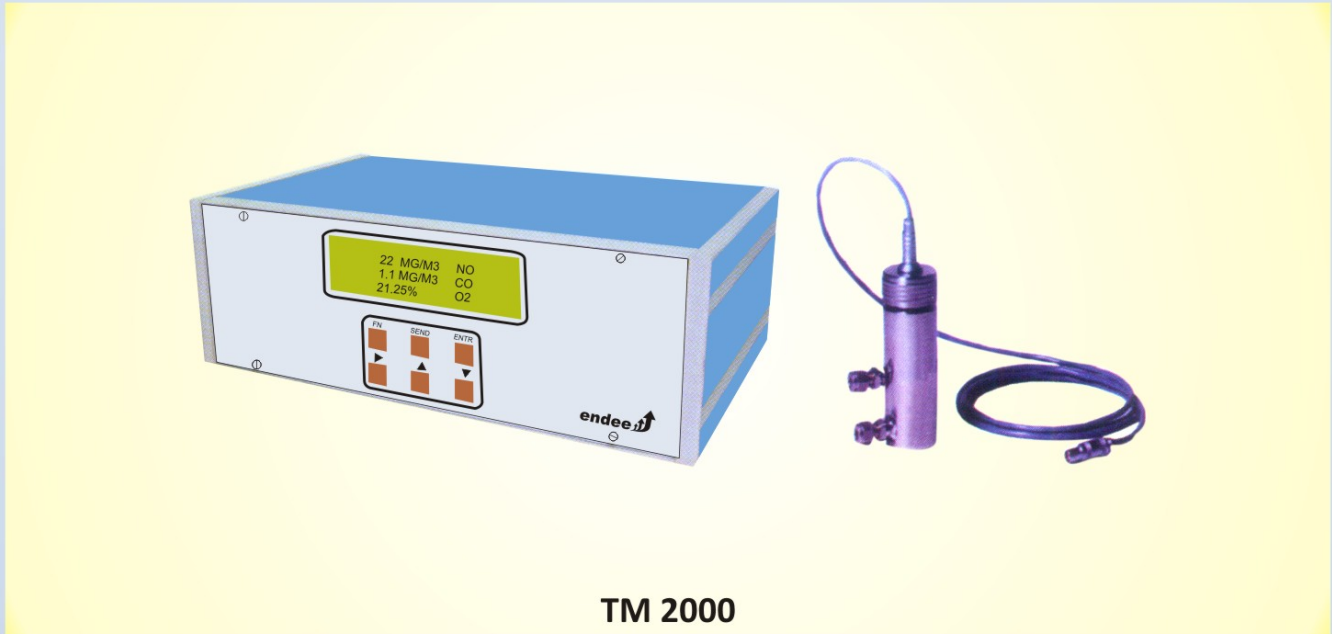
ABSOLUTE

MOISTURE ANALYSER



FAST & DIRECT READOUT OF MOISTURE CONTENT IN CHLORINE & OTHER

CORROSIVE	-	Cl ₂ , HCL, H ₂ SO ₄ , SO ₂ etc.
EXPLOSIVE	-	H ₂ , HYDROCARBON GAS & VAPOURS
INTER GASES	-	N ₂ , ARGON, AIR etc.



TM 2000

This fully microprocessor controlled precision moisture analyser is a high technology solid state unit designed to operate in rough field service is available as a portable, field mounting rack / panel mounting versions. The high quality LC-display shows th moisture in ppm.

The sensor contains a highly hygroscopic solid electrolyte that absorbs moisture present in the sample and creates an electrolysis current directly proportional to the moisture content.

A knowledge of the gas flow rate and the current in the cell gives an absolute measure of the moisture contained in the sample gas.

The sensor is suitable for all corrosive & other gases and materials in contact with the sample are glass / teflon, platinum or rhodium, and the selected material of the sensor holder.

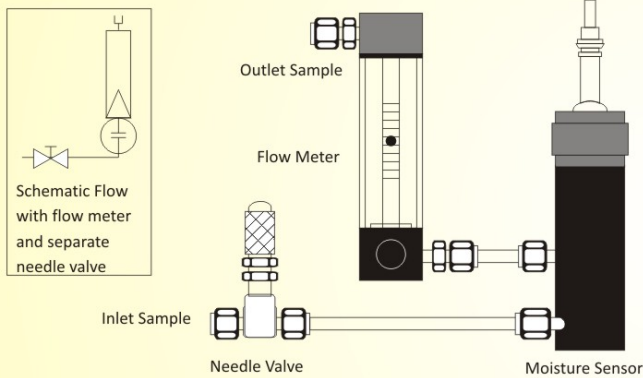
The special transfer of the sample-gas through the sensor, combined with a high quality surface provides fast response and minimizes the tailing effect. This benefit is especially important when monitoring low ppm-concentration. Sensor is a regeneratable and can be expedileously done at site.

APPLICATIONS

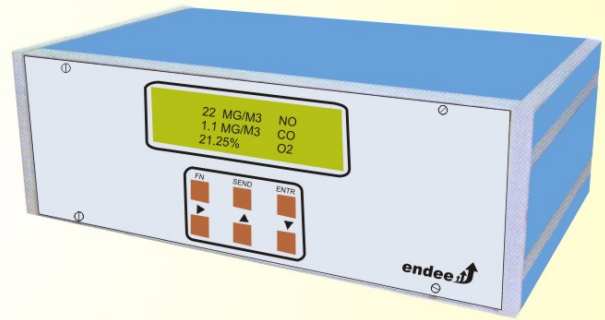
- CHEMICAL MANUFACTURING
- INDUSTRIAL SPECIALITY GASES
- HEAT TREATING FURNACES
- COMPRESSED AIR
- METALLURGY
- INERT ATMOSPHERE BLANKETING
- ENERGY MANAGEMENT

SPECIAL FEATURES

- COMPATIBLE WITH MOST GASES / VAPOURS
- DESIGNED FOR ROUGH FIELD USE
- HIGH QUALITY LC-DISPLAY
- DIRECT PPM MOISTURE MEASUREMENT
- FAST RESPONSE
- VERY HIGH SENSITIVITY
- ZERO- / SPAN - CALIBRATION
- REGENERATABLE SENSOR



Flow-schematic for Moisture Sensor



TM 2000

SPECIFICATIONS

Measurement Ranges	:	0.1 ppm to 10, 100, 1000 ppm autoranging (Other units optional)
Accuracy	:	±2°C of reading or 0.4 ppm (v)
Response Time	:	90% within 60 seconds
Display Type	:	Alphanumeric LCD / LED optional
Sample Connections	:	1/8 in. Tube, stainless steel
Sample Pressure	:	0.25 to 10 Bar
Sample Flow	:	100 cc/min - controlled
Sample & Ambient Temperature	:	0 - 50°C
Sensor Body	:	S/S 316, Monel, Hastelloy, Glass optional
Sensor	:	P2O5 (Phosphorous Pentoxide)
Portable Model TM - 100		
Weight	:	1.25 kg
Dimension	:	175 X 65 X 197 mm
Output	:	0 - 1 volt, RS 232
Power Requirements	:	6 volt chargeable battery
Online TM - 2000		
Dimension	:	390 X 132 X 230 mm 19" rack / panel mounting
Output	:	(i) 4-20 mA Corresponding to selected range (ii) Relay output 5 A. 24 volts DC (iii) RS 232
Power	:	115 or 230 V / 50 Hz

Note : Specifications and Features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. Due to endee's commitment to research, design and product improvement, specifications are subject to change without notice.