

PRODUCT DATA SHEET

5000 Analyzer Controller

Designed for the 5000 Sample System and as a replacement for 560, 560B, or 5600 controllers

The 5000 Moisture Controller is designed for process moisture applications. It is the ideal upgrade for existing 560, 560B, or 5600 controllers because it combines all the benefits users request in a modern controller: reliability, serviceability, ease of use, and communications.

Easy to use

The 5000 has an informative, full-text display and intuitive user interface. The four-line display has 20 characters per line. The first three lines are fully user-configurable. Line four is reserved for automatically detected error and diagnostic information. The keypad provides convenient local control of all operating parameters.

Reliable

High-quality components have been used throughout to ensure reliable performance, including a universal input power supply. The Model 5000 is compliant with all relevant UL, CSA, and European EMI, RFI, and general safety requirements. Modular construction provides convenient, no-tools access for service needs.

Secure

Three separate security levels prevent unauthorized or inadvertent changes to alarm levels, range, or operating conditions.



KEY BENEFITS

- Timed, auto-calibration control verifies proper analytical performance
- Capable of controlling up to four sample streams
- Two 4-20 mA, 600 ohm isolated outputs, one auto-ranging
- Four alarm contacts: COP (watchdog), system alarm, concentration alert, and range or calibration alert
- RS485 bidirectional serial communication allows for remote configuration
- Inputs provided for temperature and pressure for dew point calculation

APPLICATIONS

- Catalytic reforming
- Moisture in olefins
- Moisture in natural gas

KEY MARKETS

- Petroleum refining
- Natural gas
- Petrochemical
- Chemical
- Enhanced oil recovery
- Electronic
- Metal

PERFORMANCE SPECIFICATIONS

Display	Four-line by 20-character vacuum fluorescent Lines one, two, and three fully user-configurable Line four reserved for error and diagnostic information
Power	95 to 230 VAC \pm 10%, 47 to 64 Hz, 75 VA
Ambient temperature	-10 to 50°C (14 to 122°F), 95% RH, non-condensing
Approvals and certifications	UL/CSA General Safety Requirements UL/CSA Class I, Division 2, Groups A, B, C, D, T4 Class I, Division 1, Groups B, C, D / ATEX Directive: II 2 G EEx d IIC T6 (optional) Russian Gosstandart Pattern Approval Complies with all relevant European Directives

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