

# 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

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

### SALES, SERVICE & MANUFACTURING

#### USA - Pennsylvania

150 Freeport Road  
Pittsburgh PA 15238  
Tel: +1 412 828 9040  
Fax: +1 412 826 0399

#### USA - Delaware

455 Corporate Blvd.  
Newark DE 19702  
Tel: +1 302 456 4400  
Fax: +1 302 456 4444

#### Canada - Alberta

2876 Sunridge Way NE  
Calgary AB T1Y 7H9  
Tel: +1 403 235 8400  
Fax: +1 403 248 3550

### WORLDWIDE SALES AND SERVICE LOCATIONS

#### USA

Tel: +1 713 466 4900  
Fax: +1 713 849 1924

#### Brazil

Tel: +55 19 2107 4100

#### France

Tel: +33 1 30 68 89 20  
Fax: +33 1 30 68 89 99

#### Germany

Tel: +49 2159 9136 0  
Fax: +49 2159 9136 39

#### India

Tel: +91 80 6782 3200  
Fax: +91 80 6780 3232

#### Singapore

Tel: +65 6484 2388  
Fax: +65 6481 6588

#### China

Beijing  
Tel: +86 10 8526 2111  
Fax: +86 10 8526 2141  
Chengdu  
Tel: +86 28 8675 8111  
Fax: +86 28 8675 8141  
Shanghai  
Tel: +86 21 5868 5111  
Fax: +86 21 5866 0969



© 2018, by AMETEK, Inc. All rights reserved. Printed in the F-0145 Rev 6 (0918)  
One of a family of innovative process analyzer solutions from AMETEK Process  
Instruments. Specifications subject to change without notice.



To find out more or request a quote visit our website

