

PROGRAMMABLE PROCESS MONITORS

SCALING, PROCESS ALARMS, DEVIATION AND RATE LIMITS, AND 2 TIMERS WITH BUILT-IN BUZZER

DP3600 Series

All Models
\$245



DP3700, \$245, shown actual size.

- ✓ Front Keypad Scaling
- ✓ Min/Max Readings
- ✓ 3 Programmable Alphas for Engineering Units (e.g., psi)
- ✓ 2 Process, 1 Rate, and 1 Deviation Alarm (Optional)
- ✓ 2 Optional Timers
- ✓ Built-In Buzzer
- ✓ Displays Change in Process
- ✓ Tracks Process Run Time
- ✓ Programmable Time Base to Indicate Rate of Change
- ✓ Remote Tare and Display Hold
- ✓ Indicates Setpoint Deviation
- ✓ RS232 or RS485 Option
- ✓ Password for Program Security
- ✓ Relay Status Indication
- ✓ Compact 1/8 DIN Cutout

The easy-to-use DP3600 Series meters work with a variety of pressure, flow, and force transducers. Labeled keys eliminate guesswork. All functions, such as limits, timers, display modes, setpoints, and time bases, are keypad selectable. Scaling is also

easy, without tedious formulas. A remotely resettable tare function is useful in weighing applications. In addition, these meters compute min/max readings, rate of change, process run time, and setpoint deviation.

Available options include 2 timers and 4 process alarms. (One is a deviation alarm; another is a rate alarm.) The time base for rate is programmable. A built-in buzzer sounds an alarm whenever a relay is reached (standard with relay option).

Three alphas can be programmed to indicate engineering units (e.g., psi). This feature is especially useful when process units are displayed side by side.

SPECIFICATIONS (Typical @ 25°C/77°F)

Inputs: 4 to 20 mA, 0 to 50 mA, 0 to 10 Vdc, 0 to 100 mV

Accuracy: 0.05% FS
Scaling: 1 to 30,000

A/D Conversion: 20,000 counts, dual slope, integrating
Power: 120 Vac standard; 220 Vac, 50 Hz; 8 to 12 Vdc @ 900 mA optional

Relays/Output Option

Relays: Single pole single throw, 1 A @ 28 Vdc or 0.5 A @ 120 Vac
Open-Collector Output: 100 mA maximum (internal 5 Vdc source)

Excitation Voltage: 5 Vdc @ 50 mA
Deadband: Programmable from 0 to full scale

Rate Time Base: 1 to 65,000 s
External Features: Remote hold and tare

Dimensions:

Case: 91 W x 45 H x 234 mm D (3.6 x 1.75 x 9.2")

Bezel: 112 W x 57 H x 11 mm D (4.4 x 2.25 x 0.45")

Cutout: 1/8 DIN 92 W x 45 mm D (3.622 x 1.772")

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

MODEL NO.	PRICE	INPUT TYPE
DP3600	\$245	4 to 20 mA
DP3700	245	0 to 10 Vdc
DP3800	245	0 to 100 mV

Ordering Example: DP3600-3, 4 to 20 mA input indicator, 120 Vac power, 4 SPST process alarms, 2 open-collector timers, \$245 + 75 = \$320.

OPTIONS

ORDER SUFFIX	ADD'L PRICE	DESCRIPTION
-1	N/C	240 Vac power
-2	\$25	9 to 15 Vdc power
-3	75	4 SPDT process alarms and 2 open-collector timer alarms
-4	75	6 open collectors; 4 process and 2 timer alarms



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters