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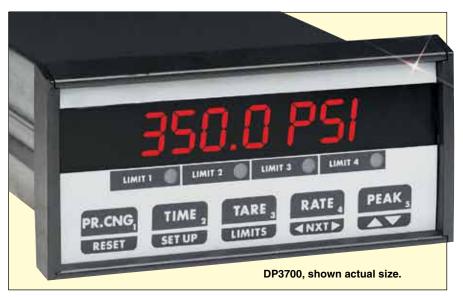## SCALING, PROCESS ALARMS, DEVIATION AND RATE LIMITS, AND 2 TIMERS WITH BUILT-IN BUZZER

DP3600 Series

DP3700, 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 ⅛ 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: ⅛ DIN 92 W x 45 mm D (3.622 x 1.772")

To Order

MODEL NO.	INPUT TYPE
DP3600	4 to 20 mA
DP3700	0 to 10 Vdc
DP3800	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.

OPTIONS

ORDER SUFFIX	DESCRIPTION
-1	240 Vac power
-2	9 to 15 Vdc power
-3	4 SPDT process alarms and 2 open-collector timer alarms
-4	6 open collectors; 4 process and 2 timer alarms