

# 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 10 Vdc, 0 to 100 mV

**Accuracy:** 0.025% ±½ digit

**Scaling:** 1 to 30,000

**A/D Conversion:** 20,000 counts, dual slope, integrating

**Power:** 120 Vac standard; 220 Vac, 50 Hz 9 to 15 Vdc @ 900 mA optional

#### Relays/Output Option

**Relays:** Single pole single throw, 1 A @ 28 Vdc or 0 to 5 A @ 120 Vac

**Open-Collector Output:** 50 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")

#### OPTIONS

ORDER SUFFIX	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
-5	50	RS232 output
-6	50	RS485 output

**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.

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