

Programmable Process Scanners

1/8 DIN, 4- and 7- Channel Input



DPS3100 Series
\$425
 Basic Unit

Shown smaller than actual size

- ✓ 2 Year Warranty
- ✓ Process Voltage, Current or Thermocouple Input
- ✓ Auto/Manual Scanning
- ✓ Rate, Min/Max and Channel Differentials
- ✓ 4-Digit Display Plus 3 Alphanumeric
- ✓ Separate Limit Relay and Independent Scaling for Each Channel
- ✓ Built-in Buzzer to Sound Alarm

DPS3000 Series scanners monitor up to seven individual inputs. Each channel on the DPS3200 and DPS3204 can be programmed to accept different types of inputs, while DPS3100 and DPS3104 are limited to one input type on all channels. Temperature is displayed in °C or °F, while process voltage and current signals can be scaled to engineering units.

All models can be set up to display in any one of six operating modes: automatically scan and display each channel; show elapsed time; display the channel with highest or lowest reading; scan each channel's deviation from a preset setpoint; show differential between a 'master' channel and other inputs.



To Order (Specify Model Number)

Note: Add Input Code from Chart Below

Model No.	Price	Description
Dedicated Input 4 & 7 Channel Scanner		
DPS3104-(*)	\$425	4-channel scanner (same input type on all 4 channels)
DPS3100-(*)	595	7-channel scanner (same input type on all 7 channels)
Programmable Input 4 & 7 Channel Scanner		
DPS3204-(**)	\$525	4-channel scanner (input channels are independently programmable)
DPS3200-(**)	695	7-channel scanner (input channels are independently programmable)

Ordering Example: DPS3104-C-5, 4-channel scanner, process input (4 to 20 mA), with 4 mechanical relays, \$425 + 100 = \$525.

Power and Output Options DPS3100, DPS3104, DPS3200, DPS3204

Ordering Suffix	Add'l Price	Description
-1	N/C	240 Vac power
-2	\$25	9 to 15 Vdc power
-3	175	7 relays (DPS3100, 3200)
-4	175	7 dc drivers (DPS3100, 3200)
-5	100	4 relays (DPS3104, 3204)
-6	100	4 dc drivers (DPS3104, 3204)

SPECIFICATIONS

Accuracy: 0.5% Reading (J, K, T, E: 1°C; S: 2°C; R, B: 3°C)
CJC Error: 1°C (10 to 40°C)
Scale: 1 to 30,000
Resolution: 1° C/F (0.1°C/F for thermistor input); 0.025% FS
Power: 120 Vac, 60 Hz, (Optional) 240 Vac, 50 Hz; (optional) 9 to 15 Vdc, 900 mA
Scan Rate: fixed, 2 channels/second
Channel Display Time: 1 to 999 seconds per channel
Alarms (optional): mechanical relay; 1 A @ 28 Vdc or 0.5 A @ 120 Vac, SPST, programmable as NO/NC, dc driver; 5 Vdc @ 50 mA. One alarm per channel (channel 7 is monitoring only)
Deadband: 2 to full scale, programmable
Cutout: 1/8 DIN; 45 x 92 mm (1.772 x 3.662"); 180 mm (7.0") depth
Weight: 1.2 kg (2.8 lb)

Input Code	(*) Dedicated Input	(**) Programmable Input
R	R	R, 4-20 mA, 0-10 Vdc
S	S	S, 4-20 mA, 0-10 Vdc
B	B	B, 4-20 mA, 0-10 Vdc
TC	J, K, T, E	J, K, T, E, 4-20 mA, 0-10 Vdc
RTD	RTD (385 & 392 curve)	RTD (385 & 392 curve), 4-20 mA, 0-10 Vdc
TH	400 series thermistor	400 series thermistor, 4-20 mA, 0-10 Vdc
MV	0-100 mV	—
V	0-10 Vdc	—
C	4-20 mA	—
P	—	0-100 mV, 0-10 Vdc, 4-20 mA