

Operating

Operating Ambient Temperature:

-10 to 50°C (14 to 122°F)

Operating Ambient Humidity Range:

90% RH max.

Power Supply: 100 to 120/200 to 240 Vac \pm 10%, 50/60 Hz

Power Consumption: Approx. 3 VA

Insulation Resistance: 500 Vdc, 20 M Ω minimum between input terminal and power supply terminal 500 Vdc; 20 M Ω minimum between power supply terminal and earth terminal

Dielectric Strength: One minute at 500 Vac between input terminal and power supply terminal; one minute at 1500 Vac between power supply terminal and earth terminal

Installation and General

Installation: Flush in panel

Panel Thickness:

1.0 to 3.5 mm (0.04 to 0.14")

External Dimensions:

48 H x 96 W x 112 mm D
(1.9 x 3.8 x 4.4")

Panel Depth: 100 mm (3.9")

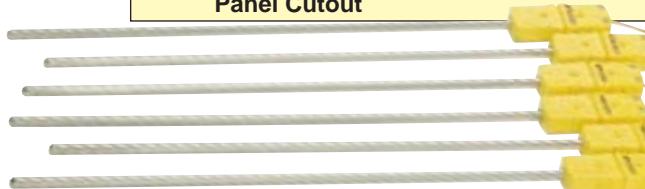
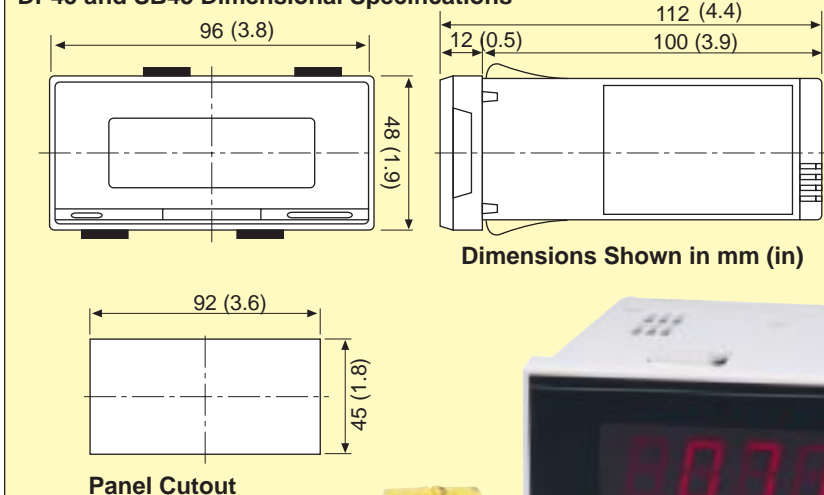
Panel Cutout:

45 H x 92 mm W (1.8 x 3.6")

Dimensions: See drawing

Weight: 270 g (9.5 oz) approximately

DP45 and SB45 Dimensional Specifications



The DP45 with one SB45 accepts 6 thermocouple or 2-wire RTD inputs. Probes sold separately. KQSS-14G-12 shown, \$27 each. See Section A for thermocouple probes and Section C for RTD probes.



SB45

6-Channel Switchbox

Specifications:

for Thermocouple or 2-Wire RTD's

Switching Points: 6

Switching Circuits: 2

Switch Operation Method: Contact Rating:

Voltage: 30 V max. ac/dc

Current: 100 mA max.

Contact Resistance: 0.3 Ω max

Dimensions:

48 H x 96 W x 118.5 mm D
(1.9 x 3.8 x 4.7")

Weight: 300 g (10.6 oz)



Model SPC18,
\$30

Splash-proof covers provide additional protection for instruments. See specifications in this section.

Thermocouple Input Models

Input Code	Range	Resolution
JC	0° to 600°C	1°
JF	0° to 1000°F	1°
KC1	0° to 400°C	1°
KC2	0° to 1200°C	1°
KF	0° to 1999°F	1°
RC	0° to 1700°C	1°
SC	0° to 1700°C	1°

RTD Input Models

Input Code	Range	Resolution
P1C	0° to 100.0°C	0.1°
P2C	-100° to 100.0°C	0.1°
P3C	0° to 199.9°C	0.1°
P4C	0° to 500°C	1°
P1F	-100° to 199.9°F	0.1°
P2F	0° to 1000°F	1°

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To Order (Specify Model Number)

Model Number	Price	Description
DP45(*)	\$149	1/8 DIN temperature meter
SB45	199	6-channel switchbox for thermocouples or 2-wire RTD's
SPC18	30	Splash-proof cover for 1/8 DIN, DP45 Series

*Insert Input Code from chart above. Comes complete with operator's manual.

Ordering Example: DP45KC1, 1/8 DIN, type K temperature meter + SB45, 6-channel switchbox SPC18, splash cover, \$149 + 199 + 30 = \$378



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