

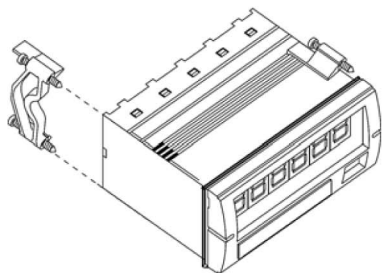
Falcon F35 & F45 Digital Panel Meters



- 1/8 DIN Indicator
- 3-1/2 or 4-1/2 digit bright red LED display
- Front panel pops off for easy decimal point setting and display scaling
- Only 3.12" (79mm) required behind panel
- Optional excitation output
- NEMA 4X enclosure optional, using part # 45003

Mounting Requirements

The Falcon series 1/8 DIN indicators require a panel cutout of 1.77" (45mm) high by 3.62" (92mm) wide. To install the Falcon into a panel cutout, remove the clips from the side of the meter. Slide the meter through your panel cutout, then slide the mounting clips back on the meter. Press evenly to ensure a proper fit. Tighten screws.



Specifications

DISPLAY	
Type	7-segment, red LED
Height	0.56" (14.2mm)
Decimal Point	user-programmable, internally or on the terminal block
Overrange indication	most significant digit = "1"; other digits blank
Polarity	Automatic, with "-" indication, "+" indication implied
POWER REQUIREMENTS	
AC Voltages	120 or 220VAC, $\pm 10\%$ 50/60Hz
DC Voltages	9-32DCV, $\pm 1\%$
Power Consumption	F35: 3VA, F45: 2VA
ISOLATION	250V RMS MAX
ACCURACY @25°C	
F45 DC Process/Voltage	$\pm 0.02\%$ of reading ± 1 count
F35 DC Process/Voltage	$\pm 0.1\%$ of reading ± 1 count
F45 DC Current	$\pm 0.05\%$ of reading ± 1 count
F35 DC Current	2A ± 5 counts 5A ± 5 counts
F45 AC Voltage/Current	$\pm 0.1\%$ of reading ± 1 count
F35 AC Voltage/Current	2A ± 5 counts, 5A ± 5 counts
	$\pm 0.5\%$ of reading ± 35 counts
	$\pm 1\%$ of reading ± 5 counts (45Hz-1KHz)
ENVIRONMENTAL	
Operating Temperature	0 to 55°C
Storage Temperature	-10 to 60°C
Relative Humidity	0 to 85% non-condensing
Warm-up Time	Less than 15 minutes
NOISE REJECTION	
NMRR	F35=50dB, 50/60Hz; F45=60dB, 50/60Hz
CMRR	(w/1K Ω unbalanced @ 60Hz) 90dB min.
A TO D CONVERSION	
Technique	Dual slope integration
Rate	F35=3 samples per second, nominal; F45=2.5 samples per second, nominal
MECHANICAL	
Bezel	3.78" x 1.89" x .51"
Depth	2.94"
Panel Cutout	3.62" X 1.77"
Case Material	94V-1, UL rated Noryl®
Weight	9.0oz (255.1g)
Temperature Coefficient	
F35 AC/TRMS (Voltage/Current)	($\pm 0.1\% \pm 0.5$ count)/°C
F35 DC (Voltage/Current/Process)	($\pm 0.01\% \pm 0.05$ count)/°C
F45 AC (Voltage/Current)	($\pm 0.05\% \pm 0.5$ count)/°C
F45 DC Current	($\pm 0.01\% \pm 0.1$ count)/°C
F45 DC (Voltage/Process)	($\pm 0.05\% \pm 0.1$ count)/°C

Dimensions

