

Simpson Digital Panel Meters

DIGITAL METERS



F35

- Case Size: Standard 1/8 DIN
- Accuracy: $\pm 0.1\%$ (F35); $\pm 0.02\%$ (F45DCV); $\pm 0.5\%$ (F45AC)
- Auto-Zero
- Choice of AC or DC Power Supplies
- Broad Range Scaling and Adjustable Zero Offset for Process Inputs
- User-Selectable Decimal Points
- Optional Excitation Output 12 VDC or 24 VDC
- Easy Installation Using Screw Terminals



M235

- Case Size: Standard 3/64 DIN Dimensions
- Accuracy: $\pm 0.5\%$ (M235); $\pm 0.5\%$ (M245)
- Minimum Depth Indicator—Less Than 2.5" (60 mm) of Space
- User-Selectable Decimal Point
- Optional Negative Image, Bright Red Backlighting
- Standard Screw Terminals
- 85V to 250 VAC Power or 9V to 32 VDC

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number
Order Example: F35-1-12-1

A	B	C	D
A Basic Unit			
F35	3 ¹ / ₂ -Digit Meter		
F45	4 ¹ / ₂ -Digit Meter		
B Power Supply			
1	120 VAC		
2	220 VAC		
3	9-32 VDC		
C Input Range			
	DC Voltage	AC Voltage	AC RMS
200 mV	11	31	51
2V	12	32	52
20V	13	33	53
200V	14	34	54
	DC Current	AC Current	AC RMS (F35 Only)
200 μ A	21	41	61
2 mA	22	42	62
20 mA	23	43	63
200 mA	24	44	64
2A	25	45	65
5A	26	46	66
Process			
71	4-20 mADC		
72	1-5 VDC		
73	0-10 VDC		
Temperature (F45 only)			
80	J	T/C	E T/C
81	K	T/C	R T/C
82	S	T/C	mV DC
83	T	T/C	RTD PT 100
	Frequency	RMS (F35)	Sq. Wave (F35)
	20-199.9 Hz	91	93
	20-1999 Hz	92	94
D Excitation Output (DC Input Only)			
0	None		
1	12 VDC		
2	24 VDC		

SPECIFICATIONS

Power: 85V-250 VAC @ 40 Hz-440 Hz; or 9V-32 VDC
Size: 2.84 x 0.95 x 2.36" WHD (72 x 24 x 60 mm)

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: M235-1-0-11-0

A	B	C	D	E
A Basic Unit				
M235	3 ¹ / ₂ -Digit LCD Meter			
M245	4 ¹ / ₂ -Digit LCD Meter			
B Display				
0	Non-Backlit			
1	Negative Red Backlight			
C Supply Voltage				
0	85-250 VAC			
2	9-32 VDC*			
D Function Range				
11	200 mVDC	31	200 mVAC TRMS	
12	2 VDC	32	2 VAC TRMS	
13	20 VDC	33	20 VAC TRMS	
14	200 VDC	34	200 VAC TRMS	
21	200 μ ADC	36	270 VAC TRMS	
22	2 mADC	41	200 μ AC TRMS	
23	20 mADC	42	2 mAAC TRMS	
24	200 mADC	43	20 mAAC TRMS	
25	2 ADC	44	200 mAAC TRMS	
26	5 ADC	45	2 AAC TRMS	
71	4-20 mADC	46	5 AAC TRMS	
72	1-5 VDC	81	20-199.9 Hz	
73	0-10 VDC	82	20-1999 Hz	
74	0-100 VDC	83	20-199.9 Hz Sq. Wave	
		84	20-1999 Hz Sq. Wave	
E Excitation Output (NA with Frequency)				
0	None			
1	12 VDC			
2	24 VDC			

* Not Available on Frequency (Hz) Meters