

## Simpson Digital Meters/Controllers

Includes new temperature measurement models (H340)

- All Parameters Set from Front Panel
- 7 Segment 4-½ or 3-½ Digit Bright Red Display
- Screw Terminals for Easy Installation
- 1/8 DIN Shallow Depth Case
- Peak/Valley and Password Lockout
- Optional Plug-In Output and Excitation Cards
- Optional Plug-In Cards for One, Two or Four 5 Amp Relays
- NEMA 4X Rated Front Panel



**H345**



### SPECIFICATIONS

<b>Display</b>			
Type:	7 segment, red LED		
Quantity:	H335: 3 ½ digit; H345: 4 ½ digit; H340: 4 digit		
Height:	0.56" (14.2 mm)		
Decimal Point:	H335 and H340: 4-position, user programmable H345: 5-position, user programmable		
Brightness:	5 Levels, user programmable		
Alarm Indicators:	4 LED indicators for up to four set points		
<b>Power Requirements</b>			
AC Voltages:	120, 85-250 VAC @ 10VA		
DC Voltages:	9-36 VDC @ 10 VA		
<b>Accuracy @ 25°C:</b>			
DC:	H335: 0.1% of input ±1 digit H345: 0.05% of input ±1 digit		
AC:	H335: 0.2% ±2 digits H345: 0.1% ±2 digits		
<b>Sensor Type</b>			
RTD Pt 100	Accuracy	Temperature Range	
J	0.2% of input ±2 counts	-200°C to +200°C	
K	0.2% of input ±2 counts	-100°C to +760°C	
E	0.2% of input ±2 counts	-200°C to +1250°C	
T	0.2% of input ±2 counts	-100°C to +800°C	
T	0.2% of input ±2 counts	-200°C to +400°C	
<b>Mechanical</b>			
Bezel:	3.93 x 2.04 x .52" (98.8 x 51.8 x 13.2 mm)		
Depth:	3.24" (82.33mm) behind panel		
Panel Cut-out:	½ DIN 3.62 x 1.77" (92 x 45 mm)		
Case Material:	PBT-ABS		
Weight:	10 oz (283.5g)		
Temperature:	0-50°C		
Sample Rate:	10/sec		

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.

A - B - C - D - E - F

<b>A Basic Temperature Meter</b>		<b>D Analog Output</b>	
H340	4 digit Red LED	0	None
		1	4-20 mA DC
		2	0-10V DC
<b>B Power Supply</b>		<b>E 5 Amp Relays</b>	
1	120V AC	0	None
3	9-36V DC	1	One
4	85-250V AC	2	Two
		4	Four
<b>C Function Range</b>		<b>F Excitation Output</b>	
91	J Thermocouple	0	None
92	K Thermocouple	1	12V DC (30mA max)
93	RTD, Pt100, 3-wire	2	24V DC (30mA max)
94	E Thermocouple		
95	T Thermocouple		

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.  
Order Example: H335-1-46-0-1-2

A - B - C - D - E - F

<b>A Basic Panel Meter</b>			
H335	3½ digit Red LED		
H345	4½ digit Red LED		
<b>B Power Supply</b>			
1	120VAC (3½ digit only)		
2	85-250 VAC (4½ digit only)		
3	9-36 VDC		
4	85-250 VAC (3½ digit only)		
<b>C Function/Range</b>			
11	200mV DC	51	200mV AC TRMS
12	2V DC	52	2V AC TRMS
13	20 VDC	53	20V AC TRMS
14	200V DC	54	200V AC TRMS
15	600V DC	55	600 AC TRMS
21	200µA DC	61	200µA AC TRMS
22	2m ADC	62	2mA AC TRMS
23	20mA DC	63	20mA AC TRMS
24	200mA DC	64	200mA AC TRMS
25	2A DC	65	2A AC TRMS
26	5A DC	66	5A AC TRMS
31	200mV AC	71	4-20mA DC Process
32	2V AC	72	0-10V DC Process
33	20V AC		
34	200V AC	81	200 Ohm
35	600V AC	82	2k Ohm
		83	20k Ohm
		84	200k Ohm
41	200µA AC		
42	2mA AC		
43	20mA AC		
44	200mA AC		
45	2A AC		
46	5A AC		
<b>D Output Signal</b>			
0	None		
1	4-20 mA DC Process		
2	0-10 VDC Process		
6	RS-485 (4½ digit only)		
<b>E 5 Amp Relay Outputs</b>			
0	None		
1	One		
2	Two		
4	Four		
<b>F Excitation Output (not available with Signal Output)</b>			
0	None		
1	12V DC (30mA max)		
2	24 DC (30mA max)		