

<p><b>Fig. 1</b></p> <p>Panel Cutout: 0.87" x 1.77" 22.10mm x 44.96mm</p> <p><b>DPM125 LCD Legacy Series</b></p> <p>The DPM125 features auto-zero, auto-polarity, 200mV fsr, 12.5mm digit height, low battery indication and selectable decimal points. The meter will plug directly into a 12-pin SIL socket or can be panel mounted using snap-in bezel provided.</p>	<p><b>Fig. 2</b></p> <p>Panel Cutout: 1.06" x 2.24" 26.92mm x 56.90mm</p> <p><b>DPM500 LCD Legacy Series</b></p> <p>The DPM500 features auto-zero, auto-polarity, 200mV-2V-20V fsr, 12.5mm digit height, low battery indication, selectable decimal points and 10 user-selected annunciators. The meter will plug into a 40-pin DIL socket or can be panel mounted using snap-in bezel provided.</p>	<p><b>Fig. 3</b></p> <p>Panel Cutout: 1.26" x 2.44" 32.00mm x 61.98mm External Bezel</p> <p><b>DPM600 LCD Legacy Series</b></p> <p>The DPM600 features auto-zero, auto-polarity, 200mV-2V-20V fsr, 12.5mm digit height, adjustable low battery indication, selectable decimal points and 12 user-selected annunciators. The meter has 36 pins for PCB mounting or can be panel mounted with optional bezel (p/n MB10).</p>	<p><b>Fig. 4</b></p> <p>Panel Cutout: 1.3" x 2.68" 33.02mm x 68.07mm</p> <p><b>DPM2000 LCD Legacy Series</b></p> <p>The DPM2000 features auto-zero, auto-polarity, 200mV-2V-20V fsr, 15mm digit height, adjustable low battery indication, selectable decimal points and 12 user-selected annunciators. The meter will plug into a 40-pin DIL socket or can be panel mounted using snap-in bezel provided.</p>	<p><b>Fig. 5</b></p> <p>Panel Cutout: 1.3" x 2.68" 33.02mm x 68.07mm</p> <p><b>DPM40 LED Series</b></p> <p>The DPM40 features auto-zero, auto-polarity, 200mV-2V-20V fsr, 11mm LED digit height and selectable decimal points. The meter is supplied with a bezel and filter to give a high contrast display.</p>
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Fig.	Supply	Input	Digi-Key Part No.	Price Each			Martel Part No.
				1	5	10	
1	7.5 - 15	200mV	227-1007-ND	50.05	47.55	45.05	DPM125
	7.5 - 15	200mV	227-1008-ND	59.71	56.72	53.74	DPM125L
2	7.5 - 15	20V	227-1011-ND	68.36	64.95	61.53	DPM500-20
	3.6 - 6.5	2V	227-1016-ND	68.36	64.95	61.53	DPM500S-2
3	3.6 - 6.5	20V	227-1017-ND	70.90	67.36	63.82	DPM500S-20
	5 - 15	20V	227-1023-ND	59.58	56.60	53.62	DPM600-20
4	5 - 15	200mV	227-1027-ND	58.05	55.15	52.25	DPM2000
	5 - 15	2V	227-1028-ND	58.05	55.15	52.25	DPM2000-2
5	5 - 15	20V	227-1029-ND	58.05	55.15	52.25	DPM2000-20
	5	200mV	227-1030-ND	70.90	67.36	63.82	DPM40

◆ RoHS Compliant

**Hour Meters**



The Cramer line of ETIs (Elapsed Time Indicators) are used to record the amount of "on-time" operation for industrial and commercial grade equipment. Resettable and Non-resettable versions are available either in round or square bezel, displayed in tenths of an hour.

**Applications:** • Indicating, monitoring and recording a process where the time used is required • Recording "on-time" usage of machinery for billing purposes • Preventative maintenance for machinery or equipment

**Features:** • Large, easy-to-read numbers • Rugged design • Continuous duty • Tamper proof • Permanently lubricated • Square, round or rectangle bezel  
**Specifications:** • Power Consumption: 2.7 watts • Working Voltage: 110VAC/115VAC • Electrical Connections: 6" leads, 22 gauge wire • Operating Temperature: -20°C - 55°C • Mounting: Front panel • Agency Approval: UL, CSA

Fig.	Description	Dimensions - Inch (mm)		Digi-Key Part No.	Price Each			Cramer Part No.
		A	B		1	10	50	
1	Square Bezel, 0 - 99.9K hours, 110VAC, Non-resettable	2.96 (75.39)	2.25 (57.15)	CRA215-ND	26.09	22.79	20.60	10186
	Square Bezel, 0 - 9.9K hours, 115VAC, Resettable	2.96 (75.39)	2.25 (57.15)	CRA217-ND	54.72	47.81	43.21	10083
2	Round Bezel, 0 - 99.9K hours, 115VAC, Non-resettable	2.96 (75.39)	—	CRA214-ND	26.09	22.79	20.60	10071
	Round Bezel, 0 - 9.9K hours, 115VAC, Resettable	2.96 (75.39)	—	CRA216-ND	54.72	47.81	43.21	10075
	Quartz Style Round Bezel, 0 - 99K hours, 90 - 264VAC	2.799 (71.1)	—	CRA219-ND	15.52	13.56	12.26	637-04
	Quartz Style Round Bezel, 0 - 99K hours, 10 - 80VDC	2.799 (71.1)	—	CRA220-ND	15.86	13.86	12.53	638-01
3	Quartz Style Rectangle Bezel, 0 - 99K hours, 90 - 264VAC	1.750 (44.5)	1.031 (26.2)	CRA218-ND	15.52	13.56	12.26	637-01
	Quartz Style Rectangle Bezel, 0 - 99K hours, 10 - 80VDC	1.750 (44.5)	1.031 (26.2)	CRA221-ND	15.86	13.86	12.53	638-04

<p><b>Fig. 1</b></p> <p>(Square bezel shown)</p>	<p><b>Fig. 2</b></p>	<p><b>Fig. 3</b></p>
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**HOBBS Hour Meters**



**The 98000 Series LCD Hour Meters:** Provides a large easy-to-read display in a conventional size package. Specifications: • Operating Temperature: -40°C - 85°C • Operating Voltage: 9 - 64VDC • 6 digit display • Digit Height: 6mm  
**The 20000 Series Deluxe Hour Meters:** Totally sealed and benefits from an uncommon design which integrates the motor and frame into one substructure. Specifications: • Operating Temperature: -54°C - 68°C • Number Size: 3mm • UL Listed • CSA Certified  
**The 82000 Series Dichron Hour Meters:** Meter must be moisture resistant when submerged in water at 150°F for 3 minutes. Specifications: • Operating Voltage: 10 - 80VDC

Fig.	No. of Terminals	Dimensions Inch (mm)		Digi-Key Part No.	Price Each			Honeywell Part No.
		A	B		1	50	100	
<b>98000 Series - LCD Hour Meters</b>								
1	2	2.1 (52.12)	1.18 (30.07)	700-1003-ND	14.37	10.43	10.07	098203 99
				700-1004-ND	13.87	10.06	9.71	098204 99
2	3	1.60 (40.6)	1.08 (27.4)	480-2069-ND	13.16	9.62	9.45	098311 57
				480-2070-ND	35.23	27.46	24.15	098321 94
				480-2068-ND	13.90	10.59	10.09	098301 94
3	3	1.25 (31.8)	2.13 (54.1)	480-2066-ND	14.54	10.55	10.19	098313 12
				480-2067-ND	15.22	11.04	10.66	098323 81
				480-2065-ND	15.07	11.02	10.83	098303 92
4	3	2.27 (57.7)	2.00 (50.8)	480-2072-ND	15.73	11.50	11.30	098312 03
				480-2073-ND	17.66	12.80	12.36	098322 93
				480-2071-ND	16.77	12.36	12.14	098302 93
5	4	1.26 (32.0)	.712 (18.08)	480-2064-ND	9.63	6.57	6.35	098750 100
				700-1000-ND	11.54	7.87	7.61	098755 100
<b>20000 Series - Deluxe Hour Meters</b>								
6	2	1.60 (40.6)	1.08 (27.4)	480-2080-ND	24.55	17.95	17.64	020116 23
7	2	1.398 (35.5)	1.02 (25.9)	480-2078-ND	15.40	11.26	11.06	020001 17
8	2	2.19 (55.6)	2.70 (68.6)	480-2079-ND	16.98	12.42	12.20	020017 14
<b>82000 Series - Dichron Hour Meters</b>								
6	2	1.55 (39.4)	1.03 (26.2)	480-2076-ND	14.17	10.13	9.62	082452 82
7	2	1.41 (35.8)	1.25 (31.8)	480-2074-ND	14.17	10.13	9.62	082450 83
8	2	1.98 (50.3)	2.24 (56.9)	480-2075-ND	14.17	10.13	9.62	082451 84
				480-2077-ND	14.17	10.13	9.62	082453 85

Dimensions in Inches (mm)

<p><b>Fig. 1</b></p> <p>Snap-in Mount: Panel Cut-out: 1.43 x 0.91 Rectangular Opening</p>	<p><b>Fig. 2</b></p> <p>Retainer Mount: Panel Cut-out: 1.45 x 0.95 Rectangular Opening</p>	<p><b>Fig. 3</b></p> <p>Panel Cut-out: 1.45 x 0.95 Rectangular Opening (2) 0.15 holes spaced 1.750</p>
<p><b>Fig. 4</b></p> <p>Retainer Mount 2.27 Panel Cut-out: 2.00 Diameter Opening</p>	<p><b>Fig. 5</b></p> <p>Four-Pin Mount: Panel Cut-out: .300 x .583 Rectangular Opening</p>	<p><b>Fig. 6</b></p> <p>Retainer Mount: Panel Cut-out: 1.45 x 0.95 Rectangular Opening</p>
<p><b>Fig. 7</b></p> <p>Two-Screw Mount: Panel Cut-out: 1.45 x 0.95 Rectangular Opening (2) 0.15 holes spaced 1.750</p>	<p><b>Fig. 8</b></p> <p>Three-Screw Mount: Panel Cut-out: 2.00 Diameter Opening (3) 0.125 holes equally spaced on 2.42 bolt circle diameter</p>	

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