

Digital Hour Meter & Counter **multicomp**^{PRO}

**RoHS
Compliant**

Features

- Robust design with high degree of Accuracy and Compact size
- Frequency independent for AC applications
- Indicates operating time in hours and tenths with running indicators
- Totally sealed from Dust and Moisture
- Panel mountable with 7 Bezel options
- 6 Digit Non-Resettable with automatic recycle to zero
- Wide supply voltage range: 4 - 30V AC/DC, 10 - 80V DC & 90 - 264V AC
- Shock & Vibration Proof

Specification

Part Number	MP008420
Parameters	
Supply Voltage	90V AC to 264V AC
Frequency	50Hz to 60Hz
Over Voltage & Reverse Polarity Protection	N A
Power Consumption	0.5 VA
Bezel	Square Mount
Register	6 Digit (3.6mm)
Read Out	99999.9
Least Count	1/10 h
Accuracy	± 0.02% over entire range
Vibration	10-80Hz with 20g max (SAE J1378)
Shock	55g @ 9-13ms (SAE J1378)
Weight (unpacked)	47g
Temperature	-40° C to +85° C
Humidity (Non Condensing)	95% (Rh)
Mounting	Panel
Termination	¼" [6.3] Spade Terminal
Degree of Protection	IP 66

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Features

- Suitable for Hour meter & Counter (Up / Down) application
- Wide Hour meter range from 1 sec to 9999999 hrs
- Wide counter range from 1 to 9999999 counts
- Prescaling facility for Counter
- Alarm facility for both Hour meter & Counter
- Relay & MOSFET Output with Over Load detection
- Retentive & Non-Retentive modes
- 7 Digit LCD with luxurious green backlight
- Compact size
- Suitable for panel mounting

Specification

Part Number		MP008422		
Parameters				
Supply Voltage		85 - 265V AC/DC		
Power Consumption (W)		2 VA / 1W		
Supply Frequency		50Hz to 60Hz		
I/P Signal Characteristics				
Signal Voltage Range		85 - 265 VAC & 100 - 265 VDC		
Signal Isolation		2kV		
Output Characteristics				
Output type		Relay: 1 C/O, Contact Rating: 5 A(Res.) @ 250V AC/30V DC Contact Material: Ag Alloy		
Functional Characteristics				
Display		7 digit LCD , 6.5 mm Height, 12 O' Clock, Transmissive		
Number of keys		2 (SET key & RST key)		
Reset function		Reset type	Auto Reset	
		Time (min.)	-	
Hour Meter Functions	Accuracy	± 2sec per Day		
	Ranges	Hrs : Min : Sec (999:59:59), Hrs : Min (99999:59), Hrs (9999999), Min (9999999), Sec (9999999)		
	Input Signal	For Hour counting detection, Signal has to be present for min. 3msec & signal has to be absent for min 20msec.		
Counter Functions	Accuracy	100%		
	Range	1 to 99999999.999		
	Decimal Point Position(max.)	3		
	Pre-scale	4 Digit		
	Input	Switching Freq.(max.)	10 Hz for AC and 40 Hz for DC	
	Signal	Pulse Width min	50ms ON/50ms OFF for AC, 12.5ms ON/12.5ms OFF for DC	

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Environmental Characteristics	
Operating Temperature	-5°C to +55°C
Storage Temperature	-10°C to +60°C
Humidity	5 to 95% Rh (Without condensation)
Maximum Operating Altitude	2000 m
Pollution Degree	II
Degree of Protection	Front side: IP40; Terminals: IP20, Housing : IP30
Enclosure material	UL 94 V0 Plastic
Casing colour	Black
Other Characteristics	
Mounting	Flush mounting on panel cut-out
Panel Cut-out	22mm × 44.8mm
Weight (Un-packed)	52 gm
Operating position	Horizontal
Termination wire Sizes	Wire size : 22-14 AWG, 0.3-2.5 mm

Views Of Different Bezels



Rectangular Bezel



Rectangular 2 holes Bezel



Round Bezel



Round 3 holes Bezel



Cup Mount Bezel



Stirrup Mount Bezel

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Features

- 6-digit LCD
- In-built nonvolatile memory (EEPROM) offering exceptional reliability
- Wide range of supply voltage
- Remote reset
- Available in 3 different Bezels
- Low Power Consumption

Specification

Part Number	MP008423	MP008424
Parameters		
Supply Voltage	12V DC to 48V DC	85V AC to 265V AC
Frequency	50/60 Hz	
Power Consumption (Max.)	0.4 W	0.8 VA
Counting frequency	10Hz	
Maximum Range	999999	
Display	Large 6-Digit display, easy to read	
Resolution	1 Count	
Reset	Electrical	
Memory Retention	100 Years	
Operating Temperature	-10°C to +50°C	
Storage Temperature	-20°C to +65°C	
Accuracy	± 1 Count	
Humidity (Non Condensing)	95% (Rh)	
Degree of Protection	IP54	
Enclosure	UL94-V0	
Terminals	1 & 2: Input Supply, 3: Count 4: Reset	
Panel cut outs	Round Bezel, 24 x 48 Bezel, Screw Mount Bezel	
Mounting	Flush/ Panel Mounting	
Weight (unpacked)	With Round Bezel - 35g, with 24 x 48 Bezel - 29 g, with Screw Mount Bezel - 31 g	

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Features

- 6-digit LCD
- In-built nonvolatile memory (EEPROM) offering exceptional reliability
- Wide range of supply voltage
- Remote reset
- Available in 3 different Bezels
- Low Power Consumption

Specification

Part Number	MP008425	MP008426
Parameters		
Supply Voltage	12V DC to 48V DC	85V AC to 265V AC
Frequency	50/60 Hz	
Power Consumption	0.4 W	0.8 VA
Range	99999.9 h	
Display	6-digit LCD 5mm Height	
Resolution	1/10 h	
Accuracy	± 0.02%	
Memory Retention	100 Years	
Operating Temperature	-10°C to +50°C	
Storage Temperature	-20°C to +65°C	
Humidity	95% (Rh)	
Degree of Protection	IP54 (for front side only)	
Enclosure	UL94-V0	
Terminals	1, 2: Input Supply, 3: Enable 4: Reset	
Panel cut outs	Round Bezel, 24 x 48 Bezel, Screw Mount Bezel	
Mounting	Flush / Panel Mounting	
Weight (unpacked)	IP 66 With Round Bezel- 35g, with 24 x 48 Bezel- 29 g, with Screw Mount Bezel- 31 g	

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Part Number Table

Description	Part Number
Digital Hour Meter, Square Mount Bezel, 90 - 264V AC	MP008420
Digital Hour Meter, Square Mount Bezel, 10 - 80V DC	MP008421
Digital Hour Meter & Pulse Counter with relay output	MP008422
Digital Hour Meter, 24x48 Bezel	MP008425
Digital Hour Meter, 24x48 Bezel	MP008426
Digital Pulse Counter, 24x48 Bezel	MP008423
Digital Pulse Counter, 24x48 Bezel	MP008424

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