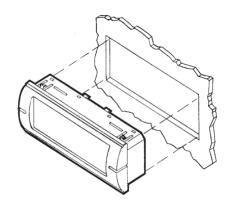
Mini M135 & M145 Digital Panel Meters



- 3/64 DIN Indicator
- Minimum depth requires less than 0.7" (17mm) behind the panel
- Snaps right into panel no mounting hardware required

Input Specifications			
DC Voltage			
Range	M135 Resolution	Input Impedance	Max Input (Unfused)
200mV	100μV	>100MΩ	50V
2V	1mV	10ΜΩ	250V
20V	10mV	10ΜΩ	250V
200V	100mV	10ΜΩ	250V

DC Current			
Range	M135 Resolution	Voltage Drop	Max Input (Unfused)
200μΑ	100nA	200mV	10mA
2mA	1μΑ	200mV	40mA
20mA	10μΑ	200mV	100mA
200mA	100μΑ	200mV	400mA

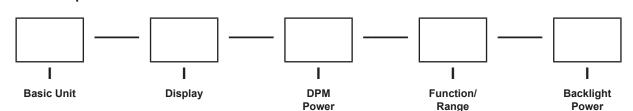


Specifications		
	DISPLAY	
Type 7- segment LCD		
Height	0.5" (12.7mm)	
Decimal Point Position	User-Selectable	
Overrange Indication	Most significant = "1" other digits blank	
Backlighting Optional negative image, red backlighting 5, 10. 12, 24 or 48 DCV		
Polarity	Auto with "-" indication, "+" indication implied	
РО	WER REQUIREMENTS	
DC Power	±5V, +5V and +9V Low Power Indication included with 9V units	
Power supply current	2mA max	
Backlight supply current	50mA typical For 24 and 48 DCV, 10mA typical	
ACCURACY @ 25°C	3 1/2 digit: ± (0.1% of reading + 1 count)	
	4 1/2 digit: ± (0.04% of reading + 1 count)	
	ENVIDONMENTAL	
On a nation of Tarrana a national	ENVIRONMENTAL	
Operating Temperature	0 to 55°C -10 to 60°C	
Storage Temperature	0 to 85° non-condensing @ 40°C	
Relative Humidity Warmup time	Less than 20 minutes	
Temperature Coefficient	(All inputs) ± (0.02% of input ± 0.2 digit) / °C	
	NOISE REJECTION	
NMRR		
CMRR	60dB, 50/60 Hz (with 1KΩ unbalanced @ 60Hz) 90dB min	
CIVICK	(With 1732 dibalanced @ 60H2) 90dB illin	
	TO D CONVERSION	
Technique Integrating		
Rate	3 samples/second-typical	
	MECHANICAL	
Bezel	0.94" x 2.83"	
Depth	0.43"	
Panel cutout	0.89" x 2.71" (22.6 mm x 68.8 mm)	
Weight	1.0 oz. (28.3 g)	
Case Material 94-VO, UL-rated ABS		

Mini M135 & M145 Digital Panel Meters

Ordering Information -

Mini indicators can be configured by making an entry in each section below. Example: M135-0-2-11-0



Supply

Select From Each One Below			
Basic Unit			
M135	3 1/2 Digit LCD		
M145	4 1/2 Digit LCD		

Display		
	0	Non Backlit
	1	Negative Red Backlight

DPM Power Supply		
	0	+ 5 DCV
	1	± 5 DCV
	2	+ 9 DCV

Select From Ea		
Function / Range		
	11	200 DCmV
	12	2 DCV
	13	20 DCV
	14	200 DCV
	21	200 DC μ A
	22	2 DCmA
	23	20 DCmA
	24	200 DCmA

•	One Below		
	Backlight Power		
		0	None
		1	5 DCV
		2	10 DCV
		3	12 DCV
		4	24 DCV
		5	48 DCV

Mounting Requirements -

The Mini indicators require a panel cutout of 2.71" (68.8mm) wide by 0.89" (22.6mm) high, and a panel area of 0.94" (24mm) high by 2.83" (72mm) wide.

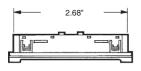
The depth behind the panel, including terminals, is 0.7" (17.8mm).

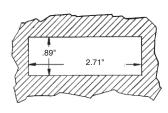
The front bezel protrudes 0.16" (4mm) from the front of the mounting surface.

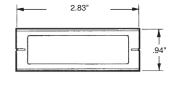
The unit will snap-mount into panels from 0.050" to 0.125" thick.

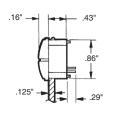
A 12-pin connector with 6" wire leads is included with each unit for quick installation.

Installation and Panel Cutout -









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