

3‰ and 4‰ Digit Professional LCD / LED Modules



GM035, DH035



GM135



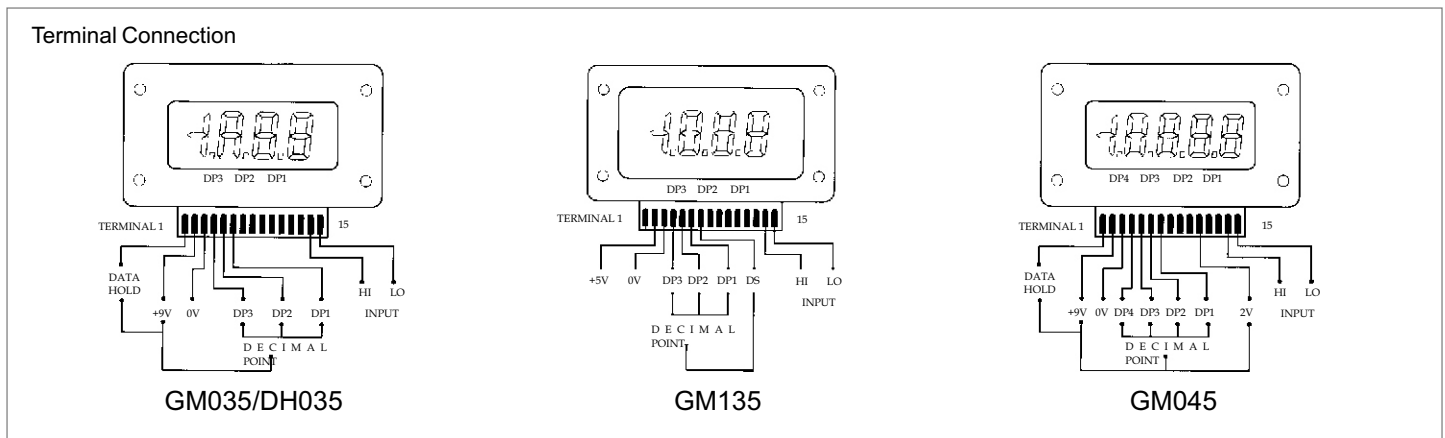
GM045

Specifications

<ul style="list-style-type: none"> Measuring Method 3‰ Digit-Dual Slope A/D Conversion 4‰ Digit-Successive Integration A/D Conversion Sampling Rate 2.5 Samples per Second Display Type 12.4 mm/0.48" Digit Height LCD for GM035, DH035 11.0 mm/0.43" Digit Height LCD for GM045 14.2 mm/0.56" Digit Height Red LED for GM135 Maximum Display 1999 counts for 3‰ Digit Meters 19999 counts for 4‰ Digit Meters Resolution 0.001 to 1 count for 3‰ depending on the range 0.0001 to 1 count for 4‰ depending on the range Polarity Indication "-" is indicated for negative input Decimal Selection Field Selectable Over Range Ind. "1" or "-1" 	<ul style="list-style-type: none"> Maximum Overload Voltage : 1.2 times continuous Current : 2 times continuous Low Batt. Indication "LO BAT" in LCD Modules External Start Hold Provided in Models DH035 and GM045 VA Burden (Typical) Auxiliary : < 20mVA (LCD) & < 1VA (LED) Voltage Input : < 0.1VA Current Input : < 0.25VA Environment Calibration : 27°C – 5 °C, Operating : 0 to 50°C, RH < 70% Storage : -10 to 60°C, RH < 70% Mounting Bezel Elegant Black ABS Bezel with 4 fixing screws and necessary hardware Connectors PCB Edge Connector (Optional) Faceplate Red Antiglare Lens - LED LCD Glass - LCD
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Display / Digits (max.)		3‰ Digits, 1999 Counts		4‰ Digits, 19999 Counts
Ranges	Models	GM035/DH035	GM135	GM045
DC	mV V mA mA	0 - 200 mV 0 - 2, 20, 200 V 0 - 200 mA 0 - 2, 20, 200 mA		
Auxiliary Power Supply	Standard 9VDC – 10% for GM035, DH035 and GM045, 5VDC – 10% for GM135 Note : Power Supply must be Isolated. Supply Ground must not be connected to IN-LO Signal. Please ensure when a shunt is used, it must be connected on Ground / Common side of the load and not on the Supply side.			
Accuracy (Specified at 27 – 5°C) – (%rdg + dgt)	V DC ADC	(0.1 + 2) (0.2 + 2)		(0.05 + 2)
Dimensions(mm)	Front	70.5 x 46		
	Depth (Behind Panel)	21		
	Panel Cut-Out	66.5 ^(+0.5, -0.0) x 28.5 ^(+0.5, -0.0)		
	Drawing			

Ordering information : Model, Input Range, Scale Display & Optionals



3% Digit LCD and LED Modules



LC035



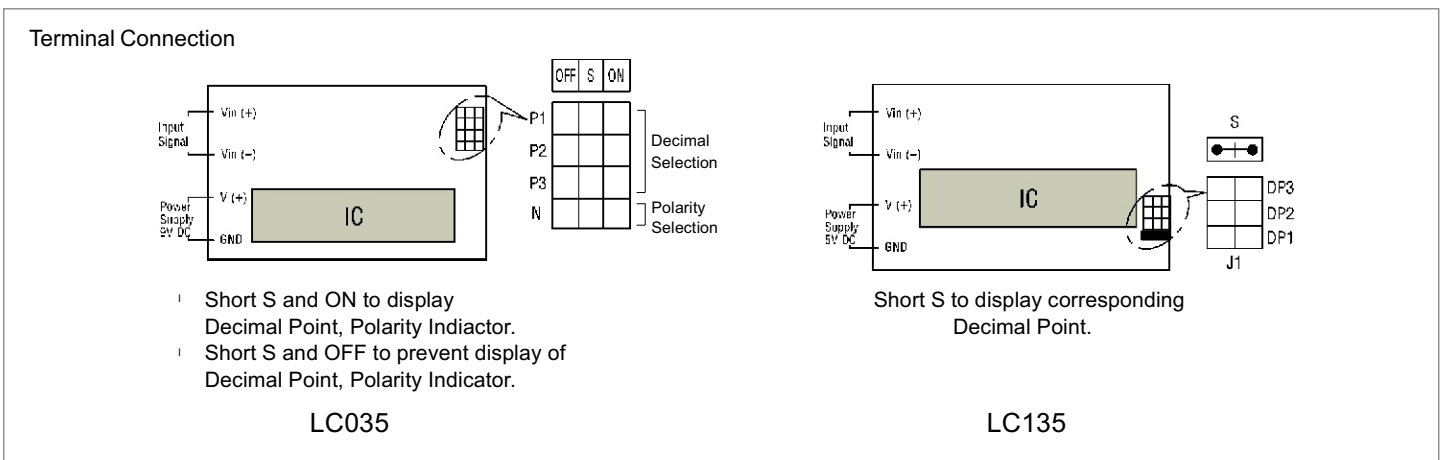
LC135

Specifications

Measuring Method	3 % Digit - Dual Slope A/D Conversion	VA Burden (Typical)	Auxiliary : < 20mVA (LCD) & < 1VA (LED)
Sampling Rate	2.5 Samples per Second		Voltage Input : < 0.1VA
Display Type	12.4 mm/0.48" Digit Height LCD for LC035 14.2 mm/0.56" Digit Height Red LED for LC135		Current Input : < 0.25VA
Maximum Display	1999 Counts	Environment	Calibration : 27°C – 5 °C, Operating : 0 to 50°C, RH < 70% Storage : -10 to 60°C, RH < 70%
Resolution	0.001 to 1 Counts depending on the Range	Mounting Bezel	Elegant ABS Bezel with 2 fixing screws and necessary hardware
Polarity Indication	" - " is Indicated for Negative Input	Connectors	Header Pins on the PCB
Decimal Selection	Field Selectable	Faceplate	Red Antiglare Lens - LED LCD Glass - LCD
Over Range Indication	" 1 " or " -1 "		
Maximum Overload	Voltage : 1.2 times continuous Current : 2 times continuous		

Display / Digits (max.)		3% Digits, 1999 Counts LCD	3% Digits, 1999 Counts LED																		
Ranges	Models	LC035	LC135																		
DC	mV	0 - 200 mV																			
	V	0 - 2, 20, 200 V																			
	mA	0 - 200 mA																			
	mA	0 - 2, 20, 200 mA																			
Auxiliary Power Supply		Standard: 9VDC – 10%	Standard: 5VDC – 10%																		
Note : Power Supply must be Isolated. Supply Ground must not be connected to IN-LO Signal. Please ensure when a shunt is used, it must be connected on Ground / Common side of the load and not on the Supply side.																					
Accuracy (Specified at 27 – 5°C)	V DC A DC	– 0.5% of Full Scale																			
Dimensions (mm)	Front	70 x 42																			
	Depth (Behind Panel)	15	21																		
	Panel Cut-Out	66.5(+0.5, -0.0) x 28.5 (+0.5, -0.0)																			
	Drawing																				
		<table border="1" style="float: right;"> <thead> <tr> <th></th> <th>LC035</th> <th>LC135</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>45</td> <td>50</td> </tr> <tr> <td>B</td> <td>20</td> <td>20</td> </tr> <tr> <td>C</td> <td>7.5</td> <td>10.3</td> </tr> <tr> <td>D</td> <td>15</td> <td>21</td> </tr> <tr> <td>t</td> <td>2</td> <td>2</td> </tr> </tbody> </table>			LC035	LC135	A	45	50	B	20	20	C	7.5	10.3	D	15	21	t	2	2
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C	7.5	10.3																			
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Ordering information : Model, Input Range, Scale Display & Optionals



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