



Weighing Electronic Unit

for Panel Mount

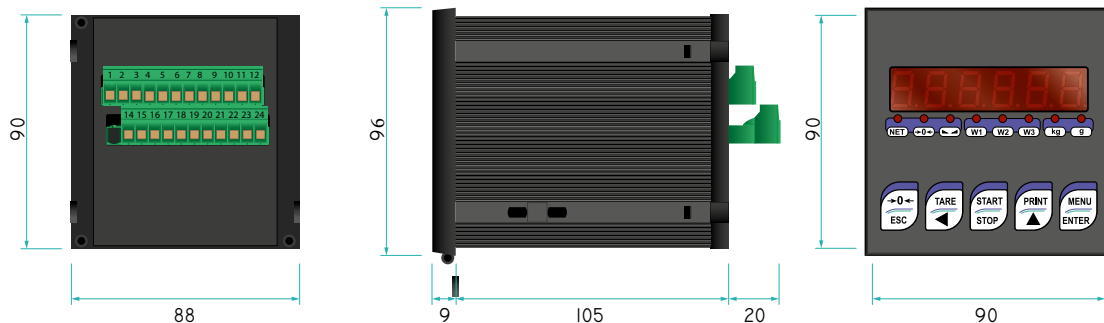
MLC96-3



Characteristics:

- Red LED display, 6 Digits 14mm high
- Internal 24-bit Converter
- Serial Interface RS485/RS232
- Analog Output 4-20mAmps (for PLC)
- Contacts for Set Points
- ABS DIN Housing 96x96mm
- For Supply 24VDC (as option) or standard 230VAC (with power supply unit)

Dimensions:



Dimensions in mm.



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Technical Specifications:

Maximum Resolution	d	10,000
Input Sensitivity	µV/d	0.2
Zero Range	mV/V	1.75
Analog Input Range / Measuring Range	mV/V	7
Internal Resolution		16,777,216
A/D Converter		24-bit
Sampling Rate	1/s	5 ... 300
Digital Filter		Averaging (selectable)
Display		LED, 6 digits 14mm high
Load Cell Connection		6-wire (screened)
Maximum Number of Load Cells		8 (each 350Ω)
Maximum Load Cell Resistance	Ω	35,000
Minimum Load Cell Resistance	Ω	44
Maximum Power Consumption (at 4x350Ω Load Cells)	W	4.8
Load Cell Excitation	V DC	5 (max. 120mA)
Non-Linearity of Measuring Range	%	< 0.01
Temperature Coefficient of Zero Signal per 10K	%	< 0.005
Temperature Coefficient of Sensitivity per 10K	%	< 0.005
Supply Voltage (Option)	V DC	12 ... 24
Current Consumption	A	0.1
Supply Voltage (Standard with Power Supply Unit)	V AC	230 (85-264)
- Supply Frequency	Hz	50 ... 60
- Nominal Current	A	0.3 ... 0.1
Outputs / Interfaces		
- Serial Interface RS485 (Modbus; for Printer/PC)		yes
- Second Serial Interface RS232		yes
- 2 Set Points (min./max.)		yes
- Analog Output 4-20mAmps (for PLC)		yes
Operating Conditions		
- Service Temperature (Storage Temperature)		-20 to +60°C (-30 to +80°C)
- Humidity		<85% RH, not condensing
Dimensions of Housing with Brackett (WxHxD)	mm	96 x 96 x 134
Weight	kg	0.3
Material of Housing		ABS
Protection Class to EN 60 529		IP54 (Front)

Connections:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Excitation + (12/24VDC)	Excitation - (12/24VDC)	TXD (RS232)	RXD (RS232)	Output / Set Point 1	Output / Set Point 2	Output / Set Point 3	Output / Set Point 4	Output Common	Input 1 (+VDC 5V-24V)	Input 2 (+VDC 5V-24V)	Input Common (-VDC 0V)	--- not used ---	0-20mA / 4-20mA (max. 300Ω)	0 - 10 V	Analog Output Common	RS485 -	RS485 +	Load Cell Excitation - / Screen	Load Cell Excitation +	Load Cell Sense +	Load Cell Sense -	Load Cell Signal -	Load Cell Signal +