Digital Snap-In Panelmeters EX

The modules of the EX series are especially developed for front panels. The simple characteristic of use, and the suppression of an external, galvanical indipendent supply voltage at +7,0 V to + 30,0 V make these precise measuring instruments to a convenient and valuable alternative to existing analog devices. Thus they are used for any application requiring reliable data displayed on an easy to read indicator.,

Typical applications are measuring and testing processes, solar technics and electronics as well as machine enigeering.

Digital Snap-In Panelmeters EX

Functions

Measuring	the digital snap-in measuring instruments of the EX series are used to measure electrical values directly
Reading	the digital snap-in measuring instruments are used to prevent paralax failures when reading an analog instrument, to reach significantly higher resolutions and to read the measures from greater distances.

Properties

Power Supply Voltage	the instruments do not need a galvanical indipendent power supply (common ground)
Polarity	the polarity of the measures are indicated automatically
Measuring Range	the instruments are available for different measuring ranges
Decimal Point	the decimal point is set externally
Measuring Range Overflow	is indicated by a single 1 or -1 on the display (overflow indicator)
Lighting	Modules of the series EX30XX have a green/yellow LED light (12V)
Mounting	snap-in fixation for simple mounting in front panels and electronical housings
Color of the Housing (Frame)	black

Special Performances

(Minimum Order Quantity 100 pcs)

Display	generally the indicated value and the measured value are identical
Measuring Range	0 ... 199,9 V or 0 ... 19,99 A depending on type. special measuring ranges are available on request

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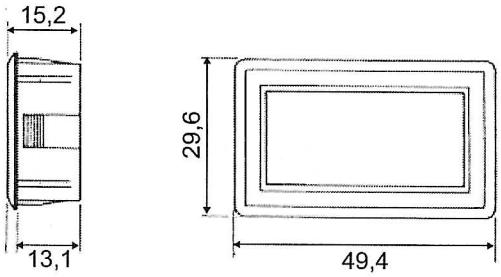
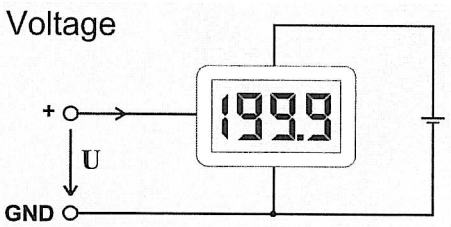
Technical Data

Accuracy	0,2 % ± 1 Digit
Measuring Interval	500 ms
Current Consumption	7 .. 35mW depending on type
Operating	0 ... +60 °C
Storage Temperature	-20 ... +85 °C
Display	3 ½ digits
Size of the window	37,8 mm x 18 mm
Hight of the characters	11,5 mm
Size of Front Frame	49,4 mm x 29,6 mm
Fitting Dimensions	46 mm x 26,5 mm
Depth	18,5 mm without plug



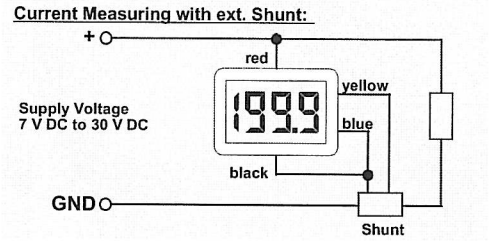
Voltage Measuring Instruments

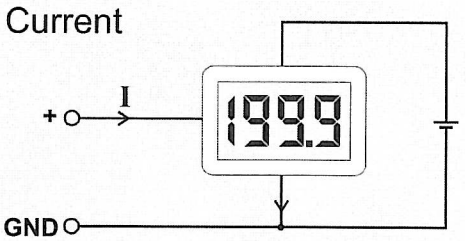
EX 2068 or EX 3068	± 0,0 ... 199,0	mV	R_i > 1000	MΩ
EX 2069 or EX 3069	± 0,0 ... 1,999	V	R_i > 1	MΩ
EX 2070 or EX 3070	± 0,0 ... 19,99	V	R_i > 1	MΩ
EX 2071 or EX 3071	± 0,0 ... 199,0	V	R_i > 1	MΩ



Current Measuring Instruments

EX2072 or EX 3072	± 0,0 ... 199,9	µA	R_i = 1000	Ω
EX 2073 or EX 3073	± 0,0 ... 1,999	mA	R_i = 100	Ω
EX 2074 or EX 3074	± 0,0 ... 19,99	mA	R_i = 10	Ω
EX 2075 or EX 3075	± 0,0 ... 199,9	mA	R_i = 1	Ω
EX 2076 or EX 3076	± 0,0 ... 1,999	A	R_i = 0,1	Ω
EX 2077 or EX 3077 (ext. Shunt)	± 0,0 ... 19,99	A	R_i = 0,01	Ω
EX 2068 or EX 3068 (ext. Shunt)	for any currents, depending on shunt			





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