Digital Panel Meter

MA32-1



96 x 96mm

Features :

- Single phase current measurement
- Wide auxiliary supply from 40 to 300V AC/DC
- CT Primary programmable up to 999.0kA
- K LED for kilo indication
- CE & RoHS certified

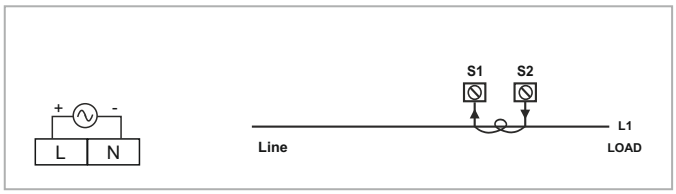
Certifications : CE

Technical specifications

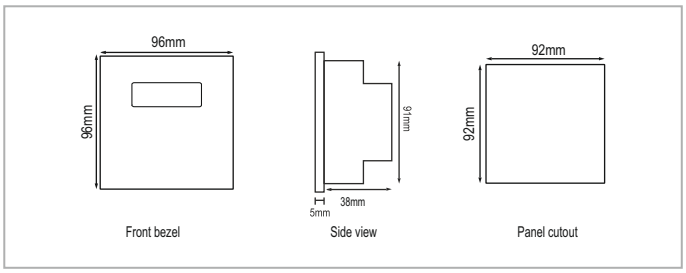
Display specifications	
Display	7 Segment LED display
Digits	4
Digit height	0.56" (14.2mm)
Display update time	1sec
Display range	0-999.0kA
Resolution	Auto resolution (Depending on CT ratio)
Input specifications	
Electrical connection	1Ø-2 wire
Input type	AC
Rated current	5A
Input current range	50mA-7A AC
Over range indication	“Or” for input>7A
Continuous max. input current	140% of rated current
Accuracy	±0.5 % of F.S.
Frequency	50-60Hz
Electrical specification	
Input Impedance	1MΩ (±5%)
Installation category	III
High voltage test	2kV AC, 50Hz
IP Protection	IP51 (Front), IP20 (Rear)
Dielectric withstand voltage	2kV AC between auxiliary supply & measuring input
Rated Impulse withstand voltage	2kV (1.2/50µS)
Settable parameters	
Network selection	1Ø-2W
CT Primary setting	1-999.0kA (Programmable for any value)
CT Secondary setting	1/5A (Programmable)
Auxiliary supply specifications	
Auxiliary supply	40V to 300V AC/DC
Supply frequency	50/60 Hz
Input burden	0.5VA@5A AC
Power consumption	5VA max

Environmental specifications	
Operating temperature	-10°C to +55°C (14°F to 131°F)
Storage temperature	-20°C to +75°C (-4°F to 167°F)
Humidity (Non-condensing)	Up to 85% non-condensing
Pollution degree	2
Altitude	Upto 2000 meters
Measurement category	CAT III
Mechanical specifications	
Mounting	Panel mount
Bezel size	96mm x 96mm
Overall depth	38mm
Weight	150gm
Torque at terminals	0.68 N-m to 0.79 N-m
Wire Gauge at terminals	20 to 14 AWG; 75°C
Mounting position	Vertical

Terminal connections



Dimensions (All are in mm)



Standards compliance

Applicable EMI / EMC Standards		
Product standard : IEC 61326 - 1		
Category		**Standards compliance**
ESD Immunity	IEC 61000 - 4 - 2	Level IV (Air discharge : 15kV), (Contact discharge : -8kV)
Surge immunity	IEC 61000 - 4 - 5	+ / - 2kV Common mode, (Line to ground) + / - 1kV Differential mode, (Line to line)
Radiated susceptibility	IEC 61000 - 4 - 3	Level III, 80 to 1000MHz (10V / m) Level II, 1.4GHz to 2GHz (3V / m) Level I, 2GHz to 2.7GHz (1V / m)
Conducted susceptibility	IEC 61000 - 4 - 6	Level II (3V / m)
Voltage dips and interruptions	IEC 61000 - 4 - 11	**Dips :** 0% Residual voltage / 1 Cycle (Criteria B), 40% Residual voltage / 10 Cycles 50Hz / 12 Cycles 60Hz (Criteria C) 70% Residual voltage / 25 Cycles 50Hz / 30 Cycles 60Hz (Criteria C) **Interruptions :** 0% Residual voltage / 250 Cycles 50Hz / 300 Cycles 60Hz(Criteria C)
Conducted emission	CISPR - 11	
Radiated emission	CISPR - 11	
Electrical fast transient	IEC 61000 - 4 - 4	Level III (2kV)

Ordering information

Product code	Supply voltage	Certification
MA32-1-G-40/300V-CE	40-300V AC	CE