

OP373-V01

**selec**

MASERIE  
Operating Instr

(48 x 96) (48 x 48) (72 x 72) (96 x 96)

**SPECIFICATION**

AC MODEL (CT INPUT)

|                            |  |       |       |                               |       |        |
|----------------------------|--|-------|-------|-------------------------------|-------|--------|
| Product Name               | MA12   | MA202 | MA302 | MA501                         | MA201 | MA2301 |
| Description                | 1 Ø Digital Ammeter  |       |       | 3 Ø Digital Ammeter           |       |        |
| Display                    | 4 digit 7 segment LED display with auto scale and graph indication |       |       |                               |       |        |
| Display range              | 0 to 400A  |       |       | 0 to 200A                     |       |        |
| Input range                | 50mA to 5A AC  |       |       |                               |       |        |
| Input Frequency            | 50 / 60Hz  |       |       |                               |       |        |
| Max continuous Input range | 6.2A   |       |       |                               |       |        |
| Over range indication      | Or for input > 6.2A  |       |       |                               |       |        |
| CT primary setting         | 5 to 400 (programmable steps)                                      |       |       | 5 to 500 (programmable steps) |       |        |
| CT secondary setting       | 5A fixed   |       |       |                               |       |        |
| Resolution                 | 0.001, 0.01, 0.1, 1A (depending on setting) CT primary             |       |       |                               |       |        |
| Electrical connection      | 1 Ø-2 wire   |       |       | 3 Ø-4 wire                    |       |        |

|                   |          |       |       |           |       |       |
|-------------------|----------|-------|-------|-----------|-------|-------|
| Power consumption | 5VA max. |       |       | 12VA max. |       |       |
| Weight            | 170gm    | 180gm | 180gm | 113gm     | 138gm | 163gm |

DC MODEL (SHUNT / DIRECT INPUT) AC MODEL (AUTO RANGING TYPE)

|                            |  |  |   |  |  |   |  |
|----------------------------|--|--|---|--|--|---|--|
| Product Name               | MA12-50mV-DC<br>MA12-75mV-DC<br>MA12-100mV-DC  | MA12-DC-1A<br>MA12-DC-2A<br>MA12-DC-5A | MA12-DC-10A<br>MA12-DC-20A<br>MA12-DC-50A | MA12-DC-100A<br>MA12-DC-200A<br>MA12-DC-500A | MA12-DC-1A<br>MA12-DC-2A<br>MA12-DC-5A | MA12-DC-10A<br>MA12-DC-20A<br>MA12-DC-50A | MA12-DC-100A<br>MA12-DC-200A<br>MA12-DC-500A |
| Description                | 1 Ø Digital Ammeter  |  |   |  |  |   |  |
| Display                    | 4 Digit 7 Segment LED Display  |  |   |  |  |   |  |
| Display range              | 0 to 49.999mA  | 0 to 1.999mA                           | 0 to 19.99mA                              | 0 to 199.9mA                                 | 0 to 1.999mA                           | 0 to 19.99mA                              | 0 to 199.9mA                                 |
| Input range                | 0 to 50mV<br>DC: 0 to 50mV<br>MA12-75mV<br>DC: 0 to 75mV<br>MA12-100mV<br>DC: 0 to 100mV | 0 to 200mA                             | 0 to 200mA                                | 0 to 200mA                                   | 0 to 200mA                             | 0 to 200mA                                | 0 to 200mA                                   |
| Input Frequency            | 50 / 60Hz  |  |   |  |  |   |  |
| Measurement range          | 0 to 1.999mA   | 0 to 19.99mA                           | 0 to 199.9mA                              | 0 to 199.9mA                                 | 0 to 19.99mA                           | 0 to 199.9mA                              | 0 to 199.9mA                                 |
| Max continuous Input range | 6.2A   | ±1.999mA                               | ±19.99mA                                  | ±199.9mA                                     | ±1.999mA                               | ±19.99mA                                  | ±199.9mA                                     |

|                       |   |  |   |  |  |   |  |
|-----------------------|---|--|---|--|--|---|--|
| Product Name          | MA12-50mV-DC<br>MA12-75mV-DC<br>MA12-100mV-DC       | MA12-DC-1A<br>MA12-DC-2A<br>MA12-DC-5A | MA12-DC-10A<br>MA12-DC-20A<br>MA12-DC-50A | MA12-DC-100A<br>MA12-DC-200A<br>MA12-DC-500A | MA12-DC-1A<br>MA12-DC-2A<br>MA12-DC-5A | MA12-DC-10A<br>MA12-DC-20A<br>MA12-DC-50A | MA12-DC-100A<br>MA12-DC-200A<br>MA12-DC-500A |
| Over range Indication | Or for input > 6.2A                                 | input for > ±1.999mA                   | input for > ±19.99mA                      | input for > ±199.9mA                         | input for > ±1.999mA                   | input for > 19.99mA                       | input for > 199.9mA                          |
| Shunt setting         | 5 to 400  |  |   |  |  |   |  |
| Resolution            | 0.001, 0.01, 0.1, 1A (depending upon shunt setting) | 0.01                                   | 0.1                                       | 1  | 0.001/0.01, 0.1                        | 0.01                                      | 0.1  |
| Electrical connection | 1 Ø - 2 wire  |  |   |  |  |   |  |
| Input type            | Shunt   | Direct                                 |   |  |  |   |  |
| Weight                | 170gm   | 170gm                                  | 170gm                                     | 170gm  | 170gm                                  | 170gm                                     | 170gm  |



To enter into configuration mode (le ) switch for 5sec. after which,

1) For CT type models : "ctr" will be displayed initially. CT settings can be done in steps with every press of key at rear side of the product.

2) For shunt type models : "prg" will be displayed initially. Shunt settings can be done in steps with every press of key at rear side of the product.

CT/ Shunt settings : 2.5 30, 40, 50, 60, 75, 80, 100, 125 150 75 200, 250, 300, 400, 500, 600, 1000, 1200, 1500, 1600, 2000, 3000, 4000

(Note : The settings highlighted above are available on MA2301 / MA501)

To exit from configuration mode switch OFF Rha and then switch ON then wait for 10 sec. keys pressed.

Page scrolling can be done through different page current page will be displayed after every press of the select switch MA 2301.