

# DIGITAL MULTIMETERS

## EPM-04 / EPM-06 / EVM-3x Series



**EPM-34**

- .../5A and .../1A
- 24-240V AC/DC
- Dual Demand
- Class 0,5
- IP54



**EVM-35**

- 24-240V AC/DC
- Class 0,5
- IP54

### Product Code

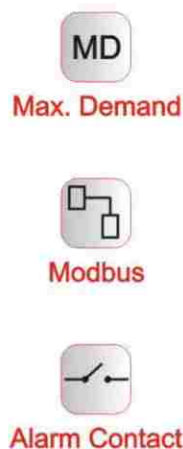
|                    | 3 ~ Voltage | 3 ~ Current | Co <sub>sp</sub> | Hz (Frequency) | I neutral | Demand | Dual Demand* | Max. Values | Min. Values | Alarm Contact | Under / Over Voltage Protection | Under / Over Current Protection | Under / Over Frequency Protection | RS-485 Comm. | .../5A | .../1A | CT-25 (120A) | 4 Digits Display | 5 Digits Display | 24-250V AC/DC | Flush Mount | Rail Mount | Pcs / Carton |
|--------------------|-------------|-------------|------------------|----------------|-----------|--------|--------------|-------------|-------------|---------------|---------------------------------|---------------------------------|-----------------------------------|--------------|--------|--------|--------------|------------------|------------------|---------------|-------------|------------|--------------|
| EPM-04 -96         | •           | •           |                  | •              | •         | •      | •            | •           | •           |               |                                 |                                 |                                   |              | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-04 -DIN        | •           | •           |                  | •              | •         | •      | •            | •           | •           |               |                                 |                                 |                                   |              | •      |        | •            |                  |                  |               |             | •          | 12           |
| EPM-04C-96 (new)   | •           | •           |                  | •              | •         | •      | •            | •           | •           | •             | •                               | •                               | •                                 |              | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-04C-DIN (new)  | •           | •           |                  | •              | •         | •      | •            | •           | •           | •             | •                               | •                               | •                                 |              | •      |        | •            |                  |                  |               |             | •          | 12           |
| EPM-04CS-96 (new)  | •           | •           |                  | •              | •         | •      | •            | •           | •           | •             | •                               | •                               | •                                 | •            | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-04CS-DIN (new) | •           | •           |                  | •              | •         | •      | •            | •           | •           | •             | •                               | •                               | •                                 | •            | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-06 -96         | •           | •           | •                | •              |           | •      |              | •           | •           | •             | •                               | •                               | •                                 |              | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-06 -DIN        | •           | •           | •                | •              |           | •      |              | •           | •           | •             | •                               | •                               | •                                 |              | •      |        | •            |                  |                  |               |             | •          | 12           |
| EPM-06C-96 (new)   | •           | •           | •                | •              |           | •      |              | •           | •           | •             | •                               | •                               | •                                 |              | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-06C-DIN (new)  | •           | •           | •                | •              |           | •      |              | •           | •           | •             | •                               | •                               | •                                 |              | •      |        | •            |                  |                  |               |             | •          | 12           |
| EPM-06CS-96 (new)  | •           | •           | •                | •              |           | •      |              | •           | •           | •             | •                               | •                               | •                                 | •            | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-06CS-DIN (new) | •           | •           | •                | •              |           | •      |              | •           | •           | •             | •                               | •                               | •                                 | •            | •      |        | •            |                  |                  |               | •           |            | 12           |
| EPM-34 -96 (new)   |             | •           |                  |                |           |        | •            |             |             |               |                                 |                                 |                                   |              | •      |        |              | •                |                  | •             | •           |            | 12           |
| EVM-35 -96 (new)   | •           |             |                  |                |           |        |              |             |             |               |                                 |                                 |                                   |              | •      | •      |              |                  | •                | •             | •           |            | 12           |

\*Dual Demand: 1<sup>st</sup> Demand is in terms of minutes;  
2<sup>nd</sup> Demand is in terms of seconds

• Optional - Min. Order Quantity is 200pcs/device.



**EPM-06-DIN**



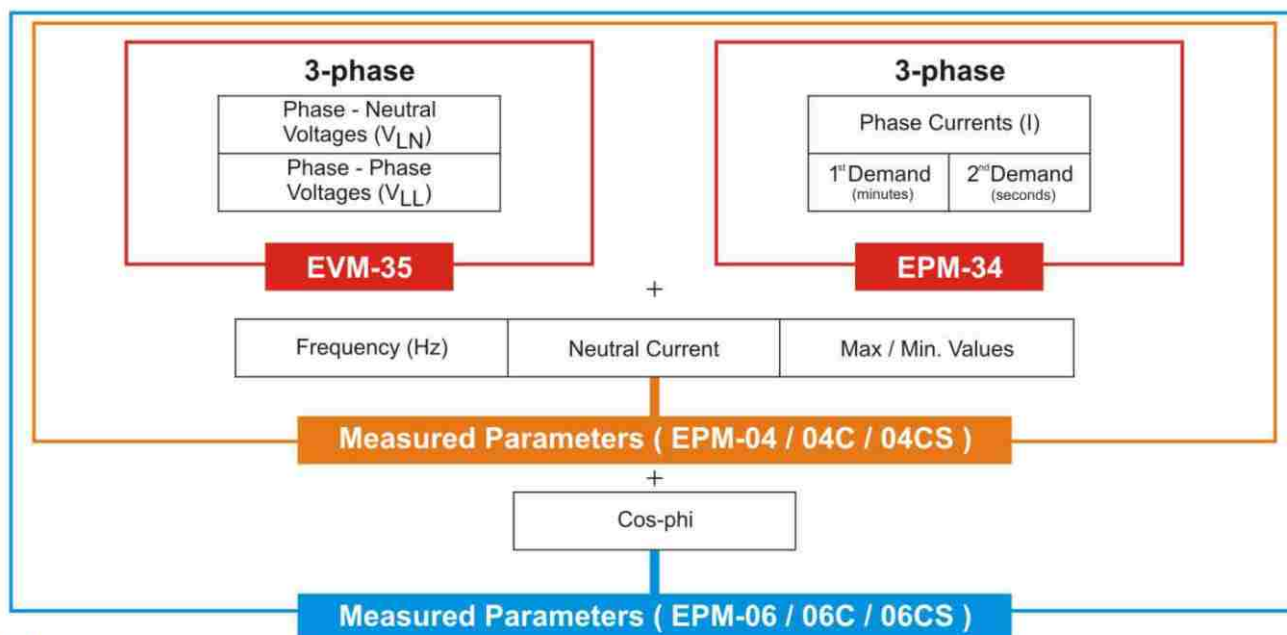
**EPM-06C-96**

# DIGITAL MULTIMETERS

## EPM-04 / EPM-06 / EVM-3x Series

|                                |                                                                         | (new)                 | (new)    |        | (new)        | (new)    | (new)                                    | (new)       |
|--------------------------------|-------------------------------------------------------------------------|-----------------------|----------|--------|--------------|----------|------------------------------------------|-------------|
| MODELS                         | EPM-04                                                                  | EPM-04C               | EPM-04CS | EPM-06 | EPM-06C      | EPM-06CS | EPM-34                                   | EVM-35      |
| SPECIFICATIONS                 |                                                                         |                       |          |        |              |          |                                          |             |
| Functions                      |                                                                         |                       |          |        |              |          |                                          |             |
| Programmable Hysteresis        |                                                                         | ●                     | ●        | ●      | ●            | ●        |                                          |             |
| Instant Tripping Feature       |                                                                         | ●                     | ●        | ●      | ●            | ●        |                                          |             |
| Programmable CT Primary Value  | ●                                                                       | ●                     | ●        | ●      | ●            | ●        | ●                                        |             |
| Programmable Voltage Tr. Ratio | ●                                                                       | ●                     | ●        | ●      | ●            | ●        |                                          | ●           |
| Programmable Demand Time       | ●                                                                       | ●                     | ●        | ●      | ●            | ●        | ●                                        |             |
| Demurrage Delay                |                                                                         | ●                     | ●        | ●      | ●            | ●        |                                          |             |
| Fault & Fault Recovery Delay   |                                                                         | ●                     | ●        | ●      | ●            | ●        |                                          |             |
| Latch Function                 |                                                                         | ●                     | ●        | ●      | ●            | ●        |                                          |             |
| Password Protection for Setup  | ●                                                                       | ●                     | ●        | ●      | ●            | ●        | ●                                        | ●           |
| Phase Sequence Protection      |                                                                         | ●                     | ●        |        | ●            | ●        |                                          |             |
| RS-485 Communication           |                                                                         |                       | ●        |        |              | ●        |                                          |             |
| Electrical Parameters          |                                                                         |                       |          |        |              |          |                                          |             |
| Operating Voltage(Un)          | 110 V AC,* / 230 V AC ±10% , 50/60 Hz                                   |                       |          |        |              |          | 24-250V AC/DC                            |             |
| Network Type                   | 3-phase / 4-wire (Star)                                                 |                       |          |        |              |          |                                          |             |
| Accuracy                       | 1% ± 1 digit                                                            |                       |          |        |              |          | 0,5% ± 1 digit                           |             |
| Voltage Transformer Ratio      | 1...2000                                                                |                       |          |        |              |          | -                                        | 0,1...400,0 |
| Current Transformer Ratio      | 1...2000                                                                |                       |          |        |              |          | 1...1000                                 |             |
| Measurement Ranges             |                                                                         |                       |          |        |              |          | -                                        | -           |
| Current                        | 50 mA - 5,5 A                                                           |                       |          |        |              |          | 5mA...5000A(../5A)<br>5mA...1000A(../1A) |             |
| Voltage                        | 10 - 300 V AC (L-N) ; 10 - 500 V AC (L-L)                               |                       |          |        |              |          | -                                        | 1V-40 kV    |
| Frequency                      | 45 - 65 Hz                                                              |                       |          |        |              |          | -                                        |             |
| Demand Time                    | 1 - 60 min. (Programmable)                                              |                       |          |        |              |          | -                                        |             |
| Dual Demand Time               | -                                                                       |                       |          |        |              |          | 1-60 min.<br>1-60 sec.                   | -           |
| Output Contact                 | -                                                                       | 5 A, 1250 VA          |          | -      | 5 A, 1250 VA |          | -                                        |             |
| Display                        | -                                                                       | Red LED, 10 mm Height |          |        |              |          | Red LED, 12 mm                           |             |
| Mechanical Parameters          |                                                                         |                       |          |        |              |          |                                          |             |
| Equipment Protection           | Double Insulation( <input type="checkbox"/> ), Measurement Category III |                       |          |        |              |          |                                          |             |
| Ambient Operating Temperature  | -5°C, +50°C                                                             |                       |          |        |              |          |                                          |             |
| Degree of Protection           | IP40 (front panel)                                                      |                       |          |        |              |          | IP54 (front panel)                       |             |
| Dimensions                     | 96x96 mm (PR19), DIN6 / PK26                                            |                       |          |        |              |          | 96x96 mm (PR19)                          |             |
| Weight / each                  | 0,4 kg (PR19), 0,6 kg (PR16), 0,4 kg (DIN6)                             |                       |          |        |              |          | 0,4 kg (PR19)                            |             |
| Quantity in 1 package          | 12 pcs (PR19), 12 pcs (DIN6 / PK26)                                     |                       |          |        |              |          | 12 pcs (PR19)                            |             |

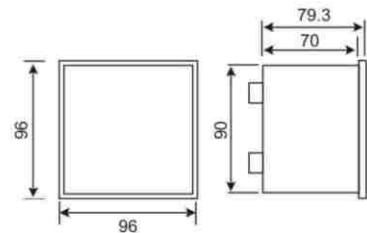
\* 110 V AC, 60Hz Supplied devices are custom manufactured by order



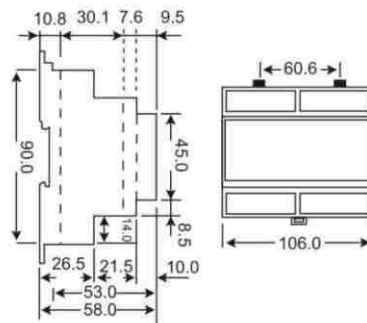
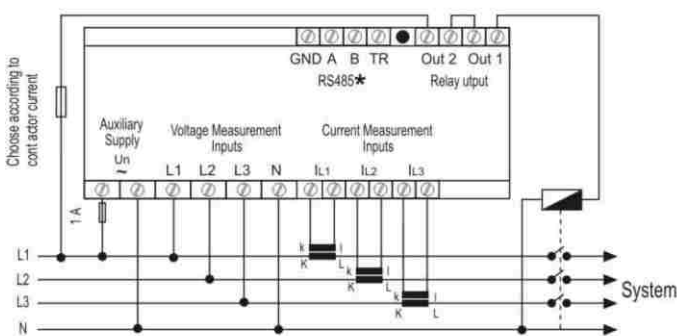
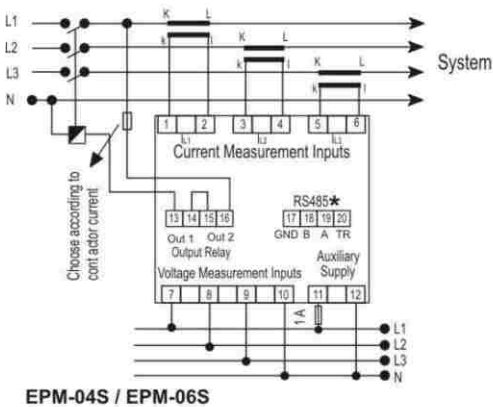
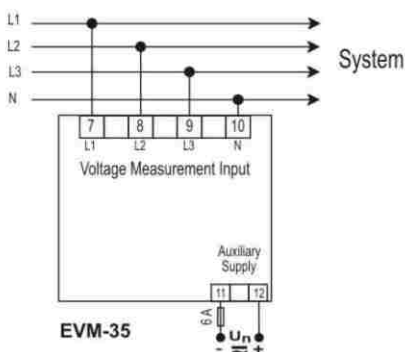
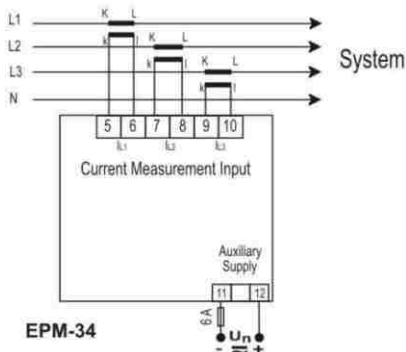
### Connection Diagram

(PR19- 96x96mm)

### Dimensions



TYPE PR 19



TYPE DIN / PK 26