

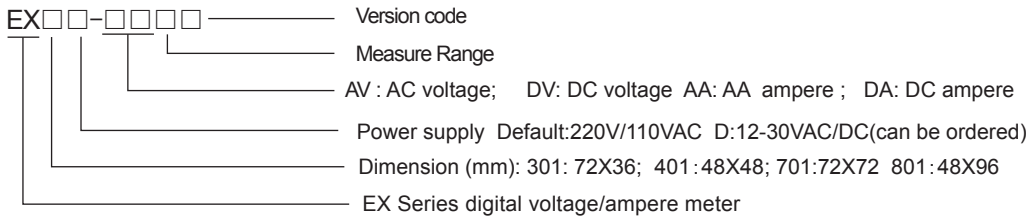
EX Series Digital Voltage/Ampere Meter User's Manual



Features

- ⊙ Reliable performance & high accuracy
- ⊙ Sampling rate:2.5 times/s
- ⊙ Zero point adjustable
- ⊙ Wide display range:±1999

I. Model Illustration



II.Order Model

◆AC digital voltage meter

Code	Measuring range	Resolution	PT	Accuracy
EX□□-AV0.2	200mV	100μV	Direct input	±0.5%F.S±2Digit
EX□□-AV2	2V	1mV	Direct input	±0.5%F.S±2Digit
EX□□-AV20	20V	10mV	Direct input	±0.5%F.S±2Digit
EX□□-AV200	200V	100mV	Direct input	±0.5%F.S±2Digit
EX□□-AV600	600V	1V	Direct input	±1%F.S±2Digit

◆AC digital ampere meter

Code	Range	Resolution	CT	Accuracy
EX□□-AA0.2	200mA	100μA	Direct input	±0.5%F.S±2Digit
EX□□-AA2	2A	1mA	Direct input	±0.5%F.S±2Digit
EX□□-AA5	5.00A	10mA	Direct input	±1%F.S±2Digit
EX□□-AA20	20A	10mA	20A:5A	±0.5%F.S±2Digit
EX□□-AA200	200A	100mA	200A:5A	±0.5%F.S±2Digit

◆DC digital voltage meter

Code	Range	Resolution	Accuracy
EX□□-DV0.2	200mV	100μV	±0.5%F.S±2Digit
EX□□-DV2	2V	1mV	±0.5%F.S±2Digit
EX□□-DV20	20V	10mV	±0.5%F.S±2Digit
EX□□-DV200	200V	100mV	±0.5%F.S±2Digit
EX□□-DV500	500V	1V	±1%F.S±2Digit

◆DC digital ampere meter

Code	Range	Resolution	CT	Accuracy
EX□□-DA0.002	2mA	1μA	Direct input	±0.5%F.S±2Digit
EX□□-DA0.02	20mA	10μA	Direct input	±0.5%F.S±2Digit
EX□□-DA0.2	200mA	100μA	Direct input	±0.5%F.S±2Digit
EX□□-DA2	2A	1mA	Direct input	±0.5%F.S±2Digit
EX□□-DA20	20A	10mA	20A:75mV	±0.5%F.S±2Digit
EX□□-DA200	200A	100mA	200A:75mV	±0.5%F.S±2Digit

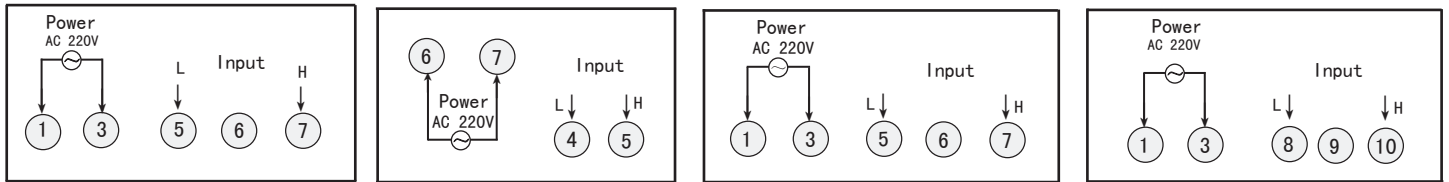
Note:

- (1) All CTs,PTs & splitters above are basic models, their accuracy≤0.3% . Other ranges can be ordered as specified indication : such as AC primary current :10A、15A、30A、75A、250A、1500A....., DC primary current 10A、15A、75A、300A、1500A....., AC primary voltage:1KV、6KV、11KV、35KV、110KV.....
- (2) Be quipped with AC current transformer ,and the secondary current is 5A .equipped with AC voltage transformer ,the secondary voltage is 100V, be equipped with DC splitter , the secondary voltage is 75mV. Special requirements should be specified in advance .
- (3) According to user's different requirements , we can select CTs/PTs/Splitter for them .

III. Technical Parameter

Max.display	1999 (average value for AC signal)
Input mode	Single-terminal input
A/D convert	Dual integration
Overflow indication	"1" or "-1"
Polarity	Display "." for DC signal only
Power supply	AC 220V±10%, 50/60Hz; AC/DC 12-30V can be ordered
Energy consumption	≤4.5VA
Dielectrical strength	AC 1500V/1min
Insulation impedance	≥100MΩ DC 500V
Frequency range of AC signal	40~200Hz

IV. Connecting Drawing



EX301 AC/DC voltage/ampere meter

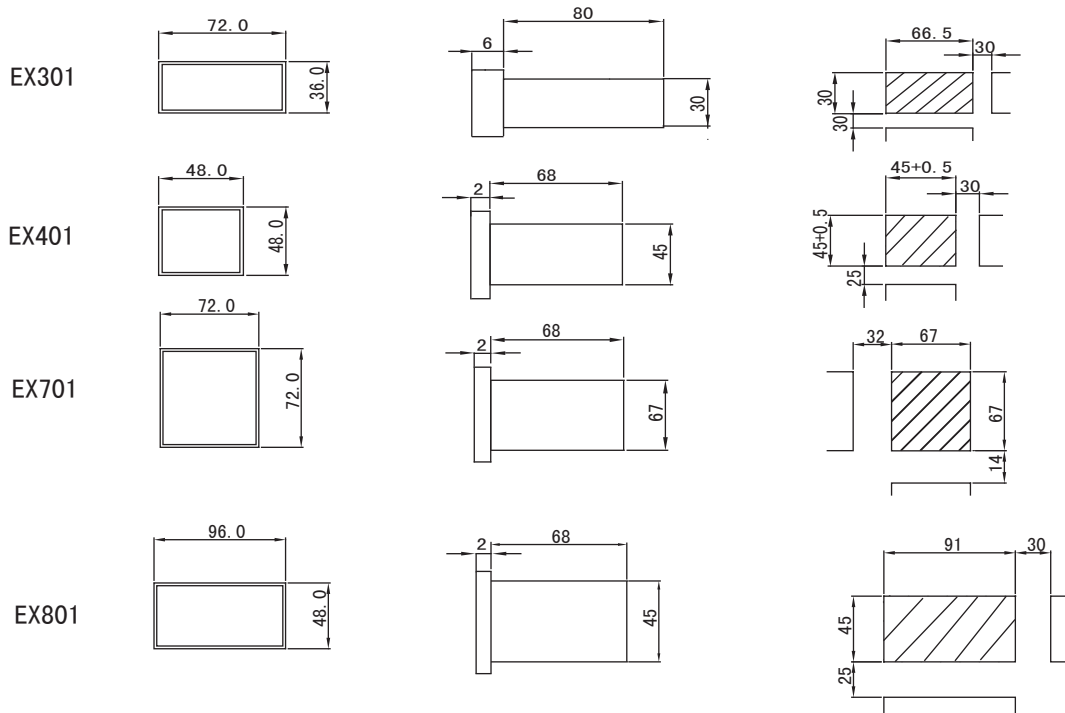
EX401 AC/DC voltage/ampere meter

EX701 AC/DC voltage/ampere meter

EX801 AC/DC voltage/ampere meter

Note: Connect according to the actual product if any changes

V. Dimension (unit:mm)



VI. Caution

- 1、The meter should be heating for 15 min before using .
- 2、Available ambient temperature is 0~40℃ , relative humidity is below 85% .
- 3、It should be adjusted every year .
- 4、Avoid vibration and crash . Don't use it under the circumstance which is over dusty / harmful chemicals and gas .
- 5、If the input signal be interferenced by high frequency signal ,please apply high frequency filter in the system .
- 6、Input wire couldn't be too long .If the distance can't be shortened ,please use twisted pair wire , shielding layer connects with low-terminal of the signal .
- 7、If stored for a long time and unused ,connect on power for more than 4 hours once every 3 months .
- 8、Don't expose it in the sunshine long term ,the available store temperature is -10~70℃ .Please make sure not to contact with gasoline, chemical solvent .