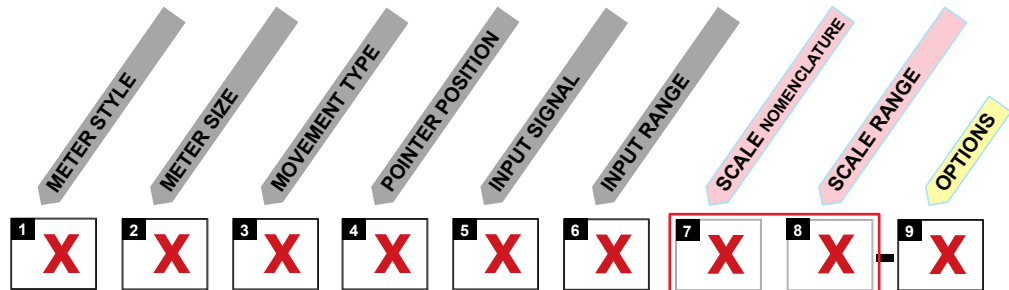


# ANALOG PANEL METER SELECTION GUIDE

## AC AMMETERS & AC VOLTMETERS

Please find values for each squares below from 1 to 9 (7, 8 & 9 are optional).



### 1. Meter Style

- P:** Panel Board
- S:** Surface
- W:** Window



### 2. Meter Size

- 2:** 2.5"
- 3:** 3.5"
- 4:** 4.5"

### 3. Movement Type

- I:** Iron Vane

### 4. Pointer Position

- L:** Zero Left
- C:** Zero Center
- R:** Zero Right

### 5. Input Signal

- AAA:** AC Amperes
- VVA:** AC Volts

### 6. Input Range

#### \* Ammeter Ranges

- |             |              |              |
|-------------|--------------|--------------|
| <b>A:</b> 1 | <b>F:</b> 10 | <b>J:</b> 30 |
| <b>B:</b> 2 | <b>G:</b> 15 | <b>K:</b> 40 |
| <b>C:</b> 3 | <b>H:</b> 20 | <b>L:</b> 50 |
| <b>D:</b> 5 | <b>I:</b> 25 |              |

#### \* Voltmeter Ranges

- |               |                |               |
|---------------|----------------|---------------|
| <b>L:</b> 50  | <b>OG:</b> 120 | <b>S:</b> 300 |
| <b>LT:</b> 60 | <b>P:</b> 150  | <b>T:</b> 400 |
| <b>M:</b> 75  | <b>Q:</b> 200  | <b>U:</b> 500 |
| <b>N:</b> 80  | <b>QL:</b> 240 | <b>V:</b> 600 |
| <b>O:</b> 100 | <b>R:</b> 250  |               |

### 7. Scale Nomenclature

- UAA:** AC Micro-Amperes
- MAA:** AC Milli-Amperes
- AAA:** AC Amperes
- KAA:** AC Kilo-Amperes
- VVA:** AC Volts
- KVA:** AC Kilo-Volts
- CYL:** Cycles
- RPM:** RPM
- PFM:** Power Factor
- WAT:** Watts
- VAR:** Vars

Fill 7 & 8  
if scale is  
different  
from input signal.  
Skip otherwise.

### 8. Scale Range

- |              |               |                |                 |                  |
|--------------|---------------|----------------|-----------------|------------------|
| <b>A:</b> 1  | <b>G:</b> 15  | <b>OG:</b> 120 | <b>W:</b> 750   | <b>ZP:</b> 3000  |
| <b>B:</b> 2  | <b>H:</b> 20  | <b>P:</b> 150  | <b>X:</b> 800   | <b>ZQ:</b> 4000  |
| <b>C:</b> 3  | <b>I:</b> 25  | <b>Q:</b> 200  | <b>Z:</b> 1000  | <b>ZR:</b> 5000  |
| <b>CC:</b> 4 | <b>J:</b> 30  | <b>QC:</b> 208 | <b>ZC:</b> 1200 | <b>ZS:</b> 5250  |
| <b>D:</b> 5  | <b>K:</b> 40  | <b>QL:</b> 240 | <b>ZF:</b> 1400 | <b>ZT:</b> 6000  |
| <b>DG:</b> 6 | <b>L:</b> 50  | <b>R:</b> 250  | <b>ZH:</b> 1500 | <b>ZU:</b> 7500  |
| <b>DL:</b> 7 | <b>LT:</b> 60 | <b>S:</b> 300  | <b>ZL:</b> 1600 | <b>ZV:</b> 8000  |
| <b>E:</b> 8  | <b>M:</b> 75  | <b>T:</b> 400  | <b>ZM:</b> 1800 | <b>ZZ:</b> 10000 |
| <b>EY:</b> 9 | <b>N:</b> 80  | <b>U:</b> 500  | <b>ZN:</b> 2000 |                  |
| <b>F:</b> 10 | <b>O:</b> 100 | <b>V:</b> 600  | <b>ZO:</b> 2500 |                  |

### 9. Options

(Skip if none selected)

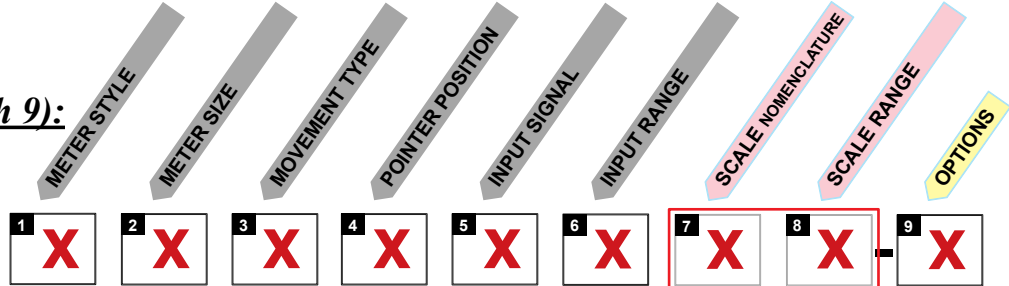
- BD:** Blank Dial
- MD:** Mirror Dial
- SB:** Semi-Blank Dial
- SD:** Silicon Damping
- HD:** Heavy Damping
- MT:** Special Mounting
- R:** RoHS

# ANALOG PANEL METER SELECTION GUIDE

## DC AMMETERS & DC VOLTMETERS

Please find values for each squares below from 1 to 9 (7, 8 & 9 are optional).

To find Part Number,  
fill each X's (1 through 9):



### 1. Meter Style

- P:** Panel Board
- S:** Surface
- W:** Window



### 2. Meter Size

- 1:** 1.5"
- 2:** 2.5"
- 3:** 3.5"
- 4:** 4.5"
- 5:** 5.5" (Surface & Window Only)

### 3. Movement Type

- P:** Pivot & Jewel
- T:** Taut Band

### 4. Pointer Position

- L:** Zero Left
- C:** Zero Center
- R:** Zero Right

### 5. Input Signal

- UAD:** DC Microamperes
- MAD:** DC Milliamperes
- AAD:** DC Amperes
- MVD:** DC Millivolts
- VVD:** DC Volts

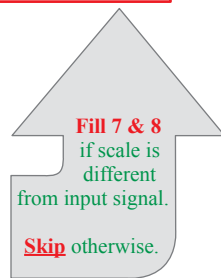
### 6. Input Range \* Ammeter Ranges (50µA ~50A DC)

<b>AA:</b> 0.5	<b>C:</b> 3	<b>EY:</b> 9	<b>I:</b> 25	<b>LL:</b> 55-65	<b>QC:</b> 208	<b>W:</b> 750	<b>ZO:</b> 2500
<b>A:</b> 1	<b>CC:</b> 4	<b>F:</b> 10	<b>J:</b> 30	<b>LP:</b> 58-62	<b>QL:</b> 240	<b>X:</b> 800	<b>ZP:</b> 3000
<b>AC:</b> 1.2	<b>CX:</b> 4-20	<b>FD:</b> 10-50	<b>JX:</b> 32-48	<b>LT:</b> 60	<b>R:</b> 250	<b>Z:</b> 1000	<b>ZQ:</b> 4000
<b>AF:</b> 1.5	<b>D:</b> 5	<b>FN:</b> 12	<b>K:</b> 40	<b>M:</b> 75	<b>S:</b> 300	<b>ZC:</b> 1200	<b>ZR:</b> 5000
<b>AH:</b> 1.6	<b>DG:</b> 6	<b>FX:</b> 12-14	<b>KD:</b> 45-55	<b>N:</b> 80	<b>SL:</b> 350-450	<b>ZF:</b> 1400	<b>ZS:</b> 5250
<b>AM:</b> 1.8	<b>DL:</b> 7	<b>G:</b> 15	<b>KL:</b> 45-65	<b>O:</b> 100	<b>SP:</b> 380-420	<b>ZH:</b> 1500	<b>ZT:</b> 6000
<b>AX:</b> 1-5	<b>DN:</b> 7.5	<b>GG:</b> 16	<b>KP:</b> 48-52	<b>OG:</b> 120	<b>T:</b> 400	<b>ZL:</b> 1600	<b>ZU:</b> 7500
<b>B:</b> 2	<b>E:</b> 8	<b>H:</b> 20	<b>L:</b> 50	<b>P:</b> 150	<b>U:</b> 500	<b>ZM:</b> 1800	<b>ZV:</b> 8000
<b>BF:</b> 2.5	<b>EX:</b> 8-16	<b>HX:</b> 24-32	<b>LD:</b> 50-70	<b>Q:</b> 200	<b>V:</b> 600	<b>ZN:</b> 2000	<b>ZZ:</b> 10000

### \* Voltmeter Ranges (15mV~600V DC)

### 7. Scale Nomenclature

- UAA:** AC Micro-Amperes
- MAA:** AC Milli-Amperes
- AAA:** AC Amperes
- KAA:** AC Kilo-Amperes
- VVA:** AC Volts
- KVA:** AC Kilo-Volts
- UAD:** DC Microamperes
- MAD:** DC Milliamperes
- AAD:** DC Amperes
- MVD:** DC Millivolts
- VVD:** DC Volts
- ETM:** Hours
- HTZ:** Hertz
- CYL:** Cycles
- RPM:** RPM
- PFM:** Power Factor
- WAT:** Watts



### 8. Scale Range

Select the value from "6. Input Range"

### 9. Options

(Skip if none selected)

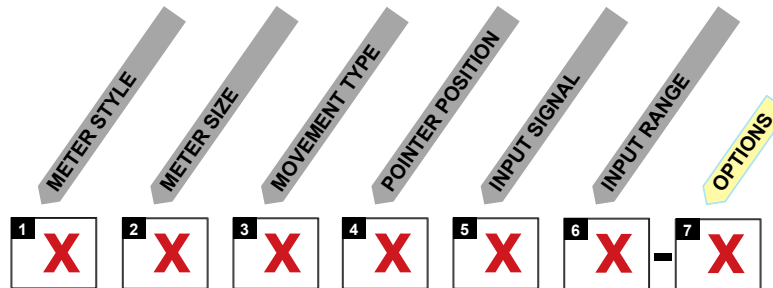
- BD:** Blank Dial
- MD:** Mirror Dial
- SB:** Semi-Blank Dial
- SD:** Silicon Damping
- HD:** Heavy Damping
- MT:** Special Mounting
- R:** RoHS

# ANALOG PANEL METER SELECTION GUIDE

## AC FREQUENCY METERS & ELAPSED TIME METERS

### FREQUENCY METERS

Please find values for each squares below from 1 to 7 (7 is optional).



#### 1. Meter Style

- P:** Panel Board
- S:** Surface
- W:** Window

#### 2. Meter Size

- 2:** 2.5"
- 3:** 3.5"
- 4:** 4.5"

#### 3. Movement Type

- P:** Pivot & Jewel
- T:** Taut Band

#### 4. Pointer Position

- L:** Zero Left



#### 5. Input Signal

- HTZ:** Hertz

#### 6. Input Range

- KD:** 45-55
- KL:** 45-65
- LL:** 55-65
- SP:** 380-420

#### 7. Options

*(Skip if none selected)*

- BD:** Blank Dial
- SD:** Silicon Damping
- HD:** Heavy Damping
- MT:** Special Mounting
- R:** RoHS

### ELAPSED TIME METERS



**P3ETM**



**S3ETM**

#### SPECIFICATION

Surface or Panel Board 3 1/2"

Range: 0 to 99,999.99

(Non-resettable reading recycles to 0.)

Power: 120V AC, 60Hz (105V to 130V AC)  
Optional 230V AC, 60Hz

Overload: 1.2 Times for 2 Hours  
2 Times for 5 Seconds

Operating Temperature: -20° to 65°C