

ADP441-3P3W PF/PA Transducer

- Measure Power Factor or Phase Angle
- 2 years warranty
- Precision measurement even for distorted wave.
- High stability
- Low output ripple
- High protection against spikes & surges



Input

Voltage: Any up to 415Vmax (Typically 120 /240 /415V)

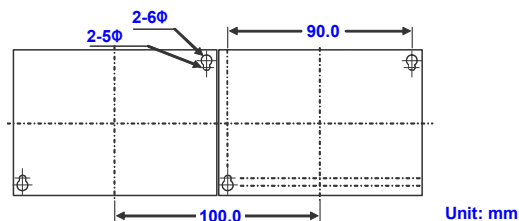
Current: Any up to 10A max (Typically 1A / 5A)

Input Burden 0.1VA

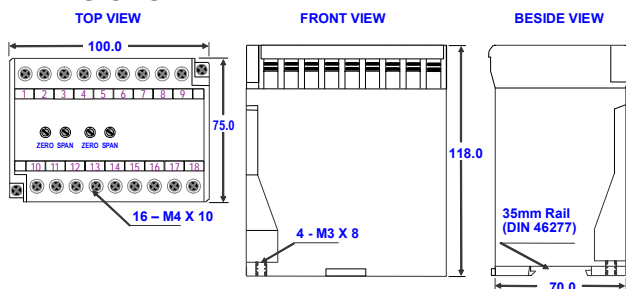
Output:

DC current or voltage specified in the range of:
Current up +/-20mA max (in to 550 ohms max)
Voltage any from +/-10V max (750 ohms min)
Typical output range: 4 – 12 - 20mA (550 ohms)

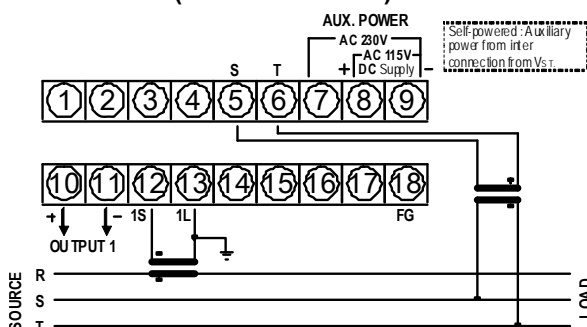
SURFACE MOUNTING HOLES



DIMENSIONS



PF / PA - 3Φ4W (balanced Load)



Accuracy :

$\leq \pm 0.2\%$ of F.S. $\pm 0.3^\circ$

Waveform effect:

$\leq 0.2\%$ of F.S. at 30% distortion

Max. input over :

Voltage: 1.5 x rated continuous
2 x rated for 10 seconds
4 x rated for 2 seconds
Current: 3 x rated continuous
10 x rated for 10 seconds
50 x rated for 1 second

Input frequency:

50 Hz ± 3 Hz, 60 Hz ± 3 Hz

Response time:

≤ 250 m-sec.

Span adjustment:

$\leq \pm 5\%$ of Span

Zero adjustment:

$\leq \pm 2\%$ of Span

Output load effect:

Current output $\leq 0.1\%$ of F.S.
Voltage output $\leq 0.05\%$ of F.S.

Power supply:

AC 115/230V $\pm 15\%$, 50/60 Hz
AC 380 or 415V $\pm 15\%$, 50/60 Hz
Option: DC 24V
Self Powered: From input volt
Working volt: $\pm 15\%$ of I/P V.

Power effect:

$\leq 0.05\%$ of F.S.

Power consumption:

≤ 4 VA

Magnetic field strength:

400ATM $\leq 0.2\%$ of F.S.

Operating temp:

0~60 °C

Relative humidity:

20~95 % RH, non-condensing

Temp coefficient:

≤ 100 PPM/°C

Storage temperature:

-10~70 °C

Dielectric Strength:

IEC 414, IEC 688:1992, ANSI C37.90a
Between Input / Output / Power / Case
AC 4KV, 50/60Hz, 1 min.

Surge test:

IEC 255-4, ANSI C37.90a
6KV, 1.2 x 50 μ sec.
Common mode & differential mode

Safety:

IEC 414, BS 5458

Enclosure:

IEC 529 (IP30)

Isolation:

Input / Output / Power / Case

Insulation R:

≥ 100 M ohm, DC 500V

Performance:

In accordance with IEC 688

Mounting:

Wall or DIN rail (EN 50022)

Weight:

< 650g