

ADP452EPX-RMS Voltage Transducer

- Suitable for SIL Level 1, 2 & 3 applications
- Suitable for combinations of AC Inputs & DC Outputs
- Supply voltage: 24Vdc $\pm 2.5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

0-700VDC / 500V RMS @ >5KHz

Intermediate ranges available at no extra cost

Output

Any standard process current or voltage

Current source up to 20mA.

Drive voltage 24Vdc

Voltage drive of up to 10Vdc.

Max current 20mA

Isolation

1000V RMS. Input/Output/Supply/Earth

Response time 25mS

Linearity $\leq \pm 0.5\%$

True RMS value for signal crest value up to 5

Crest factors 1 to 3

additional error 0.7% of span.

Crest factors 5 additional error 2.5% of span.

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

Input Load / Output Drive

Typical Input

0-700V loading 0.1VA

Typical Output

Current 4-20mA max load 600ohms

Voltage 0-10Vdc min load 500ohms

Dimensions

50w x 75h x 110d (mm)

