

ADP453EP AC Current Transducer / Isolator with dual output

- Suitable for SIL & SIL 2 rated (EN61508) Safety Instrumented System (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 24Vdc or 48Vdc ($\pm 10\%$)
- RFI Protection to EN61000-4-3:2006/A2:2010 option 'K' available
- AMELEC Standard 10 year warranty

Technical Specifications

Single Input

AC Current ranges, typically 0-1Amp or 0-5Amps
Intermediate ranges available at no extra cost

Dual Outputs

Any standard process current or voltage
Current source up to 20mA. Drive voltage 11Vdc
Voltage source up to 10V. Max current 20mA

Typical Output channel options

4-20mA (max load 500 Ω), 0-10mA (max load 1000 Ω)
1-5Vdc (min load 250 Ω), 0-10Vdc (min load 500 Ω)

Isolation

1000V RMS Input/Output/Output/Supply/Earth.

Controls

Zero/Span: $\pm 20\%$ span adjustment for each output

Accuracy/Linearity

$< \pm 0.2\%$ span

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH (non-condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (controlled EM)
(‘K’ option to the highest EMC/EMI/RFI Generic Industrial levels)

Mounting

Din Rail (TS35) or Surface by corner fixing holes

Dimensions: 50w x 75h x 110d mm
(RFI ‘K’ option enclosure = 182d mm)

