

ADP416 3-Phase 4-Wire Unbalanced Watt / Power Transducer

- Non-Smart/Non-uProcessor based, type A instrument
- External Power or primary supply sensed from the voltage input (Self Powered) options
- Suitable for 3-phased 4 wire unbalanced loads
- External power Supply options:
 - 115Vac ±20%
 - 240Vac ±20%
 - 415Vac ±20%
 - 24Vdc ±10%
- AMELEC Standard 10 year warranty

Environmental Conditions

Storage Temperature: -40 to +70°C
 Operating Ambient: -20 to +60°C
 Relative Humidity: 0 to 95% RH (Non-condensing)
 EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)
 RoHS: 2011/65/EU

Input Current Load / Output Drive

Input

Current circuit Burden: 0.3VA, aux. supply (<3VA when Self Powered option specified)

N.B; 80-120% working range when self powered

Typical Output

Current: 4-20mA, max load 750Ω
 Voltage: 0-10Vdc, min load 1KΩ

Factory Calibrated to suit applications

Weight

≤1 Kg

Technical Specifications

Input

Standard current: 0-1Amp or 0-5Amps, Direct or via C.T's
 Standard voltage: 63V, 115V, 230V or 415Vac, Direct or via V.T's

Output

Any standard process current or voltage signal range may be specified

Current source up to 20mA, drive voltage 15Vdc

Voltage source up to 10V, max current 10mA

Isolation

4000V rms 50Hz 1 min, Input/Output/Case/Aux Supply (800V rms / 1kV dc Continuous Operation)

Accuracy

<±0.25% span

Connections / Wiring:

Mounting / Dimensions

Din Rail (TS35), Enclosure: 150w x 70h x 112d mm

