

## 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  
 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 500Ω  
 Voltage: 0-10Vdc, min load 500Ω

### **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  
 Current source up to 20mA. Drive voltage 24Vdc  
 Voltage source up to 10V. Max current 20mA

### Isolation

4000V rms 50Hz 1 min Input/Output/Case/Aux Supply

### Accuracy

<±0.25% span

### Mounting / Dimensions

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

## Connections / Wiring:

