

## AMT230KX Transmitter / Isolator

- Supply voltage:
  - 115VAC ±20%**
  - 230VAC ±20%**
  - 24VDC ±2.5V**
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1 & 2 (IEC 61508-2)
- RFI protection to IEC61000-4-3 (up to 10V/metre)

### TECHNICAL SPECIFICATION

#### FUNCTION

Signal Isolator / Converter

#### INPUT

Bipolar DC current / voltage can be specified:  
 Current up to 100mA max (Passive)  
 Voltage up to 420Vdc max  
 Typical input: ± 100Vdc / ± 200Vdc

#### OUTPUT

Any standard process current or voltage  
 Current source up to 20mA. Drive voltage 24vdc  
 Voltage source up to 10V. Max Current 20mA

#### ISOLATION

500V dc between input(s), contacts, supply and earth.  
 Open circuit response may be specified as upscale or downscale.

#### PERFORMANCE

Accuracy ± 0.1%  
 Linearity ± 0.1%

#### ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70 °C  
 Operating Ambient: -15 to +55 °C  
 Relative Humidity: 5 to 95% RH  
 RFI Immunity: <1% of span error  
 10V/m; 20 to 1000MHz

