

ADM239XG Two Input Arithmetic Unit

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any process input & output
- Supply voltage: 24Vdc $\pm 2.5V$ only
- AMELEC Standard 10 year warranty

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Technical Specifications

Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Output

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

Equation

$D = A - C$ where $C = 57.039 \times (B^{0.2333})$

Dimension

152w x 81h x 137h (mm)

Input Load / Output Drive

Typical Input

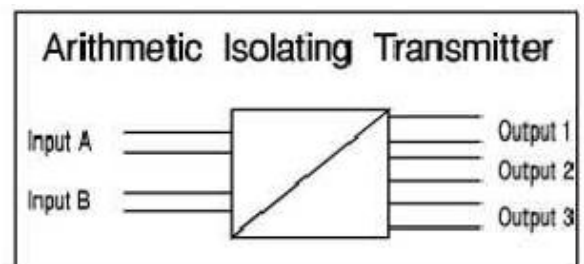
Current 4-20mA 20 Ω
Voltage 1-5Vdc 1M Ω

Typical Output

Current 4-20mA max load 1200 Ω
Voltage 1-5Vdc min load 250 Ω

Isolation

1000V RMS. Input/Output(s)/Supply
Linearity $< \pm 0.1\%$



WIRING

