

ADC322 Lineariser Unit

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty

Environmental Conditions

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

Input Load / Output Drive

Input Impedance

>1Mohm for voltage

Typical Inputs

0-10, 4-20, 1-5 mAdc
0-1, 0-10, 2-10, 1-5 Vdc

Typical Outputs

0-10, 4-20, 1-5 mAdc
0-1, 0-10, 2-10, 1-5 VDC

Dimensions

152w x 81h x 137d (mm)

Technical Specifications

ADC322 will linearise signals as obtained from logarithmic or radiation pyrometers or other sources by means of an eight section linear approximation of the true curve.

Input

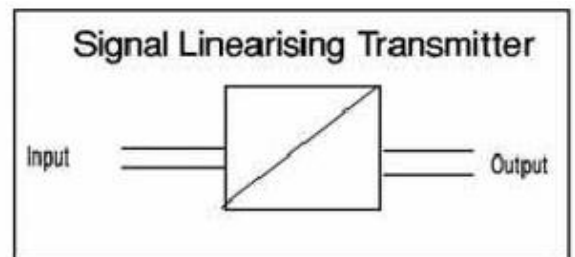
Any standard process current or voltage

Output

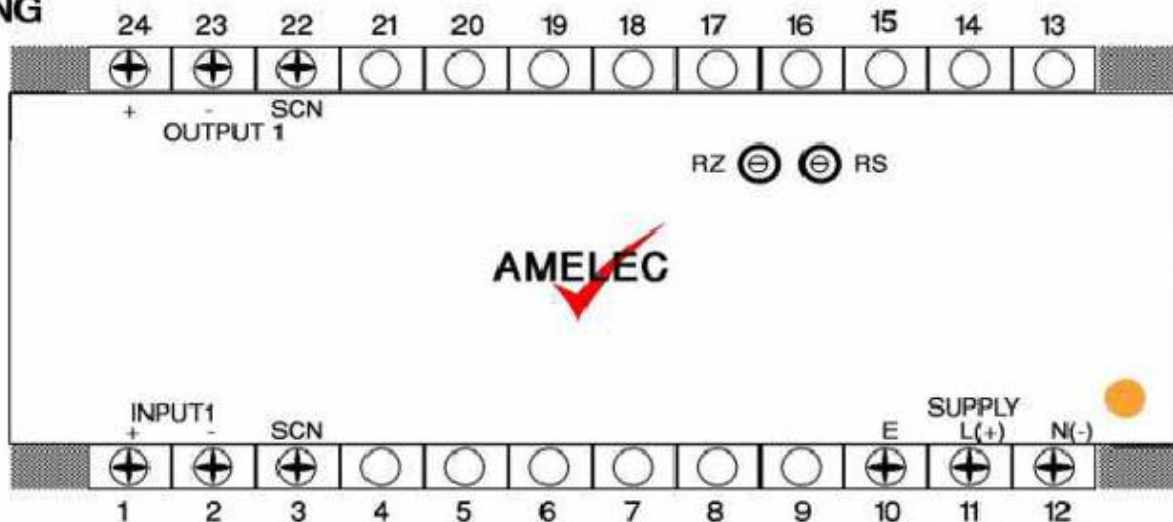
Any standard process current or voltage
Current source up to 20mA. Drive voltage 24V
Voltage source up to 10V. Max current 20mA.

Isolation

1000V RMS. Inputs/Output/Supply/Earth
Typical Accuracy: 5% to 10% of signal $\pm 3\%$
10% to 100% of signal $\pm 0.3\%$



WIRING



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