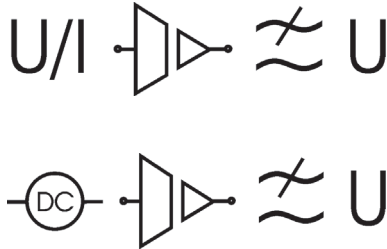
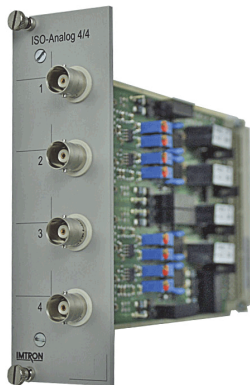


ASK-44E



Characteristics

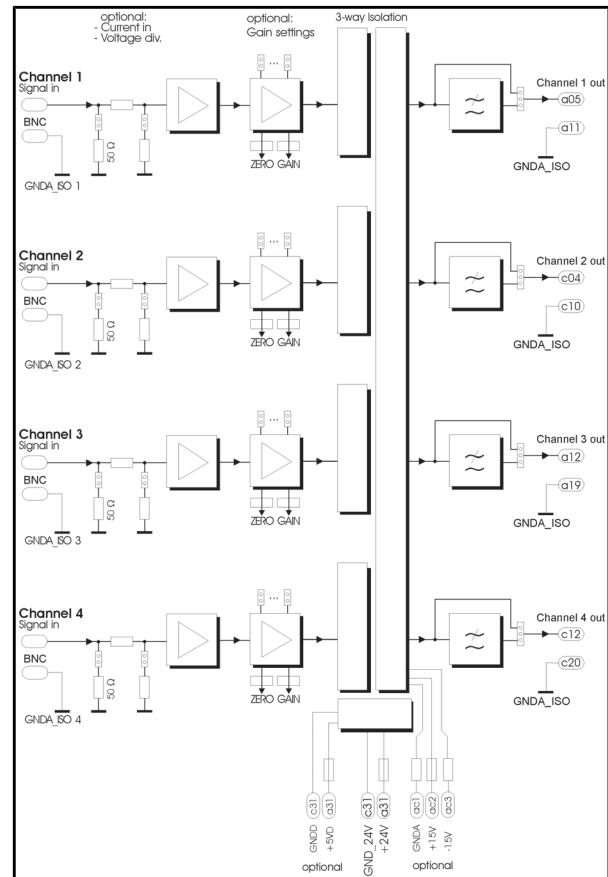
This **Analog Card** offers isolated signal conversion and filtering of 4 voltage or current signals. Signal inputs are via connectors at the front panel, optionally signals can be amplified or attenuated. Signal outputs are fed through the card frame connector. All inputs are isolated from each other, outputs are on common ground.

The card is also available as a version 2/4E with 2 inputs and 2 separate outputs each.

Technical Data

Supply voltage	24 V DC $\pm 10\%$
Power consumption at nominal voltage (without sensor / without load)	100 mA
Electrical isolation (3-way isolation)	2000 V DC (1 s) 600 V _{eff} (permanent)
Accuracy	< 0.1 %
Cut-off frequency (Standard / Maximal)	10 kHz / 30 kHz
Linearity (typical)	0.02 %
Input – Voltage	
Input range	± 10 V
Optional attenuation	± 50 V
Optional gain	± 10 mV, ± 10 V
Input resistance	1 M Ω
Input – Current (optional)	
Input range	± 20 mA
Input resistance	50 Ω
Output – Voltage	
Output range	± 10 V
Load current	± 10 mA
Short proof	yes
Residual ripple @ $f_g = 10$ kHz	typical < 1 mV _{eff}
Environmental temperature	0..50 °C
Plug-in filter	10, 30, 50, 100, 300, 500, 1 k, 3 k, 5 k, 10 k, 30 k

Block Diagram



Dimensions

19" Unit, 3 U, 8 U (5 U, depending on version), depth 160 mm

Ordering Code

ASK-44E - 1. - 2. - 3. - 4.

1. Terminal	
BNC	BNC sockets
PHOE	Phoenix screw terminals
2. Input	
V1	± 10 V (standard)
V2	± 10 V, ± 50 V
V3	± 1 V, ± 10 V
YY	Enter non-standard value ± 10 mV..10V
A1	± 20 mA
3. Output filter frequency (Hz)	
IMP	Impedance converter
O	without filter
XXX	Enter standard value: 10, 30, 50, 100, 300, 500, 1k, 3k, 5k, 10k
	Enter non-standard value: 1..30k
4. Filter characteristics	
BW	Butterworth 4th order
BS	Bessel 4th order

Example: ASK-44E-PHOE-V1-10k-BS