



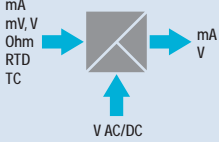
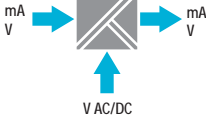
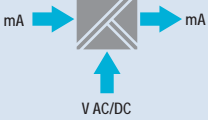
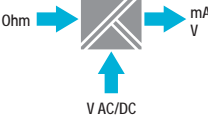
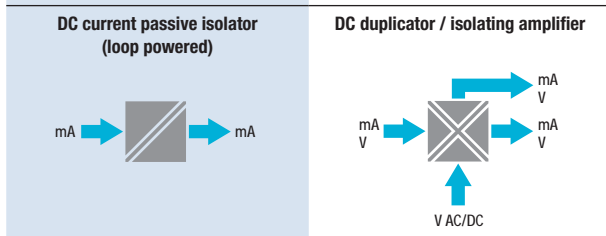


SINEAX
signal converters with
on-site parameterisation

	SINEAX V620/V622	SINEAX TV810	SINEAX TV804	SINEAX TP619
				
	Universal converter/ isolating amplifier 	DC current-voltage isolating amplifier 	DC current isolating amplifier 	Potentiometric to DC isolating amplifier 
Order No.	V620: 162 834 V622: 162 842	162 850	162 868	162 876
Input				
Channels	1 input, 1 pulse	1	1	1
Type	Voltage (mV, V) Bipolar from 75 mV up to 20 V Resolution 15 bit + sign Current (mA) Bipolar up to 20 mA Resolution 1 µA RTD Pt100, Pt500, Pt1000, Ni100, KTY81, KTY84, NTC 3-, 4-wire measurement Range: -200...600 °C Resolution 0.1 °C Thermocouple Type J, K, R, S, T, E, B, N Resolution 2.5 µV Potentiometer/Rheostat Potentiometer: 500 Ω...10 kΩ Pulse Alternative to relay output	Voltage (mV, V) Bipolar from 75 mV up to 20 V 9 ranges Resolution 15 bit + sign Current (mA) Bipolar up to 20 mA Resolution 1 µA	Current 2 ranges: 0/4...20 mA	Potentiometer 2-wire: 0...300 Ω (I = 6 mA); 0...500 Ω (I = 3.6 mA); 0...1 kΩ (I = 1.8 mA) 3-wire: Vref = 1.8 VDC from 200 Ω to 1 MΩ
Output				
Channels	1 analog, 1 relay	1	1	1
Type	Voltage (mV, V) 4 ranges: 0/1...5 V, 0/2...10 V Min load impedance 2 kΩ Current (mA) 2 ranges: 0/4...20 mA Max load impedance 600 Ω Relay Alternative to pulse input NC/NO in case of alarm	Voltage (mV, V) 4 ranges: 0/1...5 V, 0/2...10 V Min load impedance 2 kΩ Current (mA) 2 ranges: 0/4...20 mA Max load impedance 600 Ω	Current (mA) 2 ranges: 0/4...20 mA Max load impedance 600 Ω	Voltage (mV, V) 4 ranges: 0...5 V, 1...5 V, 0...10 V, 2...10 V Load impedance > 2.5 kΩ Current (mA) 2 ranges: 0...20, 4...20 mA Max load impedance > 600 Ω
General data				
Accuracy	0.1 %	0.1 %	0.2 %	0.2 %
Thermal drift	0.01 % / K	0.01 % / K	0.02 % f.s / K	0.02 % f.s / K
Linearity	0.05 % / 0.4 %	0.05 % (V, I), 0.01 % (Vout)	0.05 %	0.05 %
Settings	DIP switch PC software V620/622-C CB-Pocket Configurator	DIP switch Jumper		DIP switch (zero, span)
Power supply	V620: 9...40 VDC, 19...28 VAC (50...60 Hz) V622: 85...265 V AC/DC	9...40 VDC, 19...28 VAC (50...60 Hz)	9...40 VDC, 19...28 VAC (50...60 Hz)	19...40 (9...30 option) VDC, 19...28 VAC (50...60 Hz)
Sensors supply	Active input 2-wire (min 20 VDC)	Active input 2-wire (min 20 VDC)	Active input 2-wire (min 20 VDC)	
Power consumption	2.5 W (max) 1.6 W (24 VDC, 20 mA)	2.5 W (max)	2.5 W (max)	2.5 W (max)
Galvanic isolation	3 way	3 way	3 way	3 way
Test voltage	1500 VAC	1500 VAC	1500 VAC	1500 VAC
Front LED	Power supply, error, alarm	Power supply	Power supply	Power supply
Response time	35 ms (11 bit)...140 ms (16 bit)	35 ms (11 bit)...140 ms (16 bit)	< 60 ms	40 ms
Operating temp.	-10...+60 °C	-10...+60 °C	0...+50 °C	0...+50 °C

SINEAX TI801/TI802	SINEAX TVD820
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TI801 1 channel: 162 884 TI802 2 channels: 162 892	162 909
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TI801: 1, TI802: 2	1
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<p>Current (mA) 4...20 mA</p>	<p>Voltage (V) 4 ranges 0...1, 0...5, 0...10, 2...10 V Input impedance 500 kΩ Current (mA) 2 ranges: 0/4...20 mA Active connection: loop powered 20 VDC not stabilized Passive connection: input impedance 100 Ω</p>
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TI801: 1, TI802: 2	2 (isolated)
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<p>Current (mA) 4...20 mA</p>	<p>Voltage (V) 4 ranges: 0...5 V, 0...10 V, 1...5 V, 2...10 V Min load impedance 2500 kΩ Current (mA) 2 ranges: 0/4...20 mA Active connection: max loop impedance 600 Ω</p>
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0.1 %	0.2 %
0.02 % f.s / K	0.02 % f.s / K
0.1 % f.s.	0.05 %
	DIP switch: I/O type and connections
Loop powered	19...40 (9...30 option) VDC, 19...28 VAC (50...60 Hz)
	Active input 2-wire (min 20 VDC)
	2.5 W (max)
2 way	4 way
1500 VAC	1500 VAC
	Power supply
100 ms	
0...+50 °C	0...+50 °C

CB-Pocket Configurator	Config Box
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Hand held OLED multimeter	RS232-TTL/USB asynchronous serial converter
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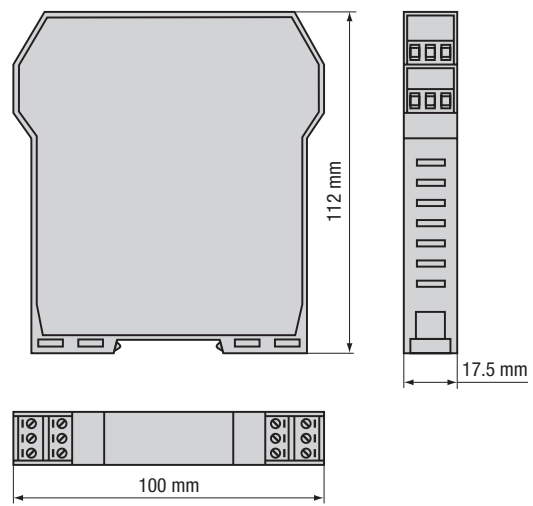
Order No: 162 925	Order No: 162 917
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|---|--|
| <p>Main features:</p> <ul style="list-style-type: none"> Precision class 0.1 % V620/V622 Alarms, ranges, I/O parameter settings Generation/measurement of voltage (0...10 V) and current (0...20 mA) signals OLED display 128 x 64 pixels NiMh batteries, AA type 2650 mAh (20 h) | <p>Main features:</p> <ul style="list-style-type: none"> Windows (XP, Vista, XP Embedded, CE, .Net), Mac OS (8, 9, X), LINUX (2.24.0) support USB/RS232 isolation: 1500 V Loop powered by USB PC port Dimensions: 90 x 50 x 25 mm Standard USB 1.0, 1.1, 2.0 |
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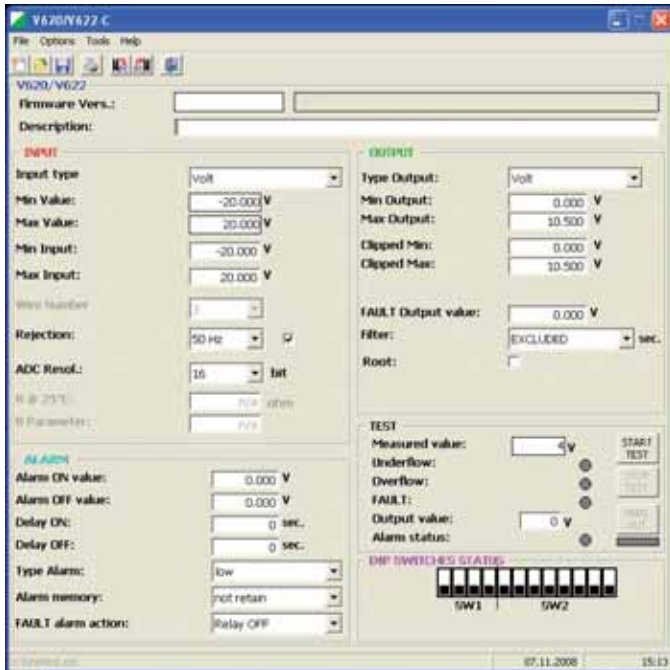
Technical data

Maximum power consumption	2.5 W
Connections	Screw-fit removable terminals for wires up to 2.5 mm ²
Mounting	DIN-rail 35 mm (DIN 46277)
Case dimensions	17.5 x 100 x 112 mm
Case material	Nylon 6 filled with 30 % fibreglass – self-extinguishing class V0
Weight	200 g
Maximum humidity	90% at +40 °C (non-condensing)

Dimensions



Configuration software



Main features:

- Input/output setting
- Start/end range setting
- Filter setting
- Define thresholds
- Logging data
- Print out of the configuration

Feature highlights

Connections and mechanics



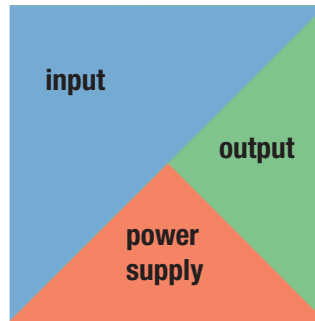
- Screw-fit removable terminals
- Rail mounting
- Compact housing (17.5 mm wide)

Parameters configuration



- Configuration via DIP switch / Hand Held configurator (CB-Pocket-Configurator)
- Setup software for universal converter
- Selection input / output / filter / com / burn out etc.

Isolation and power supply



- 3 way (input / supply / output) galvanic isolation
- Test voltage 1500 VAC

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