Indicator

VarioLog

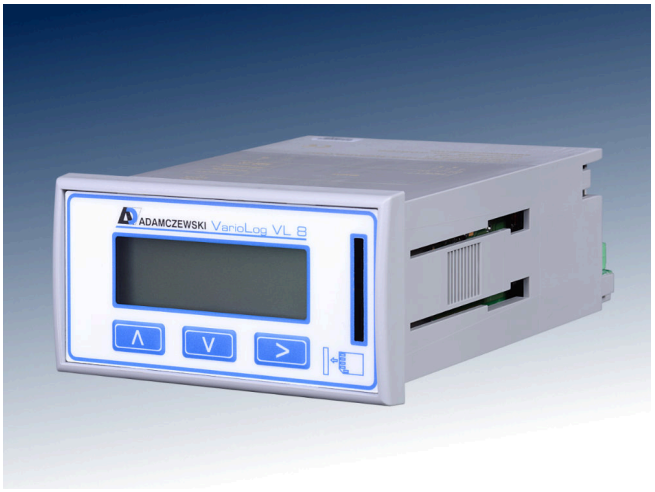
AD-VL 8 A1
AD-VL 8 A4
AD-VL 8 A8

Description

The VarioLog AD-VL 8 is used for the visualization of up to 8 independently parameterizable analog signals with simultaneous data logger function of all channels. Each channel has a current/voltage input and can be freely scaled. There are different types of display, including a trailing indicator function (display of the highest and lowest value). Several linearization functions and a table with 24 x/y points enable signal adaptation to non-linear signal sources, e.g. to display volume versus height. A scale display unit can be selected from a list. A measured value is displayed as a number and can also be represented by a quasi-analog bar. All parameters can optionally be programmed and archived via PC (AD Studio). The recorded measured values can be recorded for each channel in freely adjustable storage cycles on an SD memory card. In addition, trigger thresholds are possible for starting the storage function, with one channel triggering any other channel.

Application

Display of up to 8 independent analogue input signals in freely scalable dimension and unit.



Specific characteristics

- Wide range power supply
- scalable analog displays
- graphic display of measured values
- presettable counters
- rolling channel display
- Drag pointer function
- free linearization tables
- definable channel names
- predefined unit list

Business data

Order number

AD-VL 8 FE-A1
AD-VL 8 FE-A4
AD-VL 8 FE-A8

Information

Downloads

Instruction manual	man-vl8-ad-en.pdf
Safety instructions	ad-safety-instructions.pdf

Technical specifications

Current inputs	
Range	0 ... 20 mA
Input resistance	120 Ohm
Voltage inputs	
Range	0 ... 10 V
Input resistance	100 kOhm
Counter	
Range	0 ... 20 mA; 0 ... 10 ... 24 V
Input resistance	I: 120 Ohm; U: 100 kOhm
Switching thresholds	adjustable
Frequency	< 2 Hz
Display	
Graphic-LCD	122x32 Pixel, background lit
Digital display	5-digit, can be configured
Accuracy	
Unit	+/- 0,3% of full scale
Resolution	10 Bit
Temperature influence	< 100 ppm / K of full scale
Update rate	1 s
Supply	
Supply voltage	20 ... 253 V DC / 50 ... 253 V AC
Max. power consumption	2 W / 4 VA
Interface	
Software	AD-Studio
Connection cable	Klinkenkabel
Converter	AD-Vario-Pass-3
Protocol	AD-UART
Data format	19200, e, 8, 1
Data logger	
Storage medium	SD- oder MMC-Card <= 2GB
Disk formatting	FAT, FAT12, FAT16
Log files	daily files, text

SALES & ADVICE
GRUBATEC MESS- UND REGELTECHNIK

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Subject to technical changes and printing errors.

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Technical specifications

Housing

Dimensions (WxHxD)	96 x 48 x 136 mm³
Type of protection	IP 20
Connection method	Pluggable screw terminal
Terminals, wire cross section	1,0 mm² Strand with wire end ferrule / 1,5 mm² one wire
Bolting torque terminals	0,6 Nm
Skinning length	6 mm
Weight	~ 280 g
Manner of fastening	panel-mounting
Front panel cut out	92 x 44 mm

Environmental conditions

Ambient temperature	-10 ... +50 °C
Storage and transport	-10 ... +70 °C (no condensation)

EMC

Product family standard	EN 61326-1
Emitted interference	EN 55011, CISPR11 Cl. B, Gr. 1 In a critical EMC environment, shielded encoder cables are recommended.

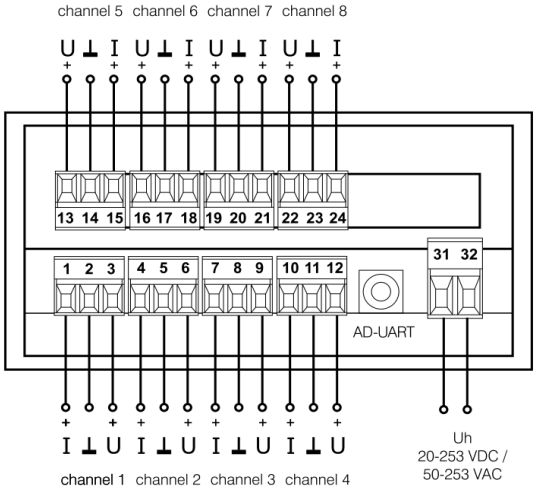
Electrical safety requirements

Product family standard	EN 61010-1
Overvoltage category	II
Pollution degree	2

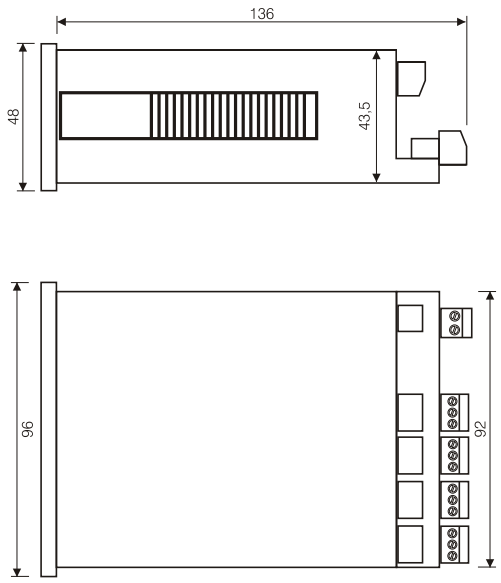
Galvanic isolation, test voltages

Input	no separation
Signal/auxiliary voltage	3 kV RMS 50 Hz (1 min.)

Block and wiring diagram



Dimensions



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