

VarioLog[®] Indicator and data logger with 4-channel transmitter supply

AD-VL8A4-S

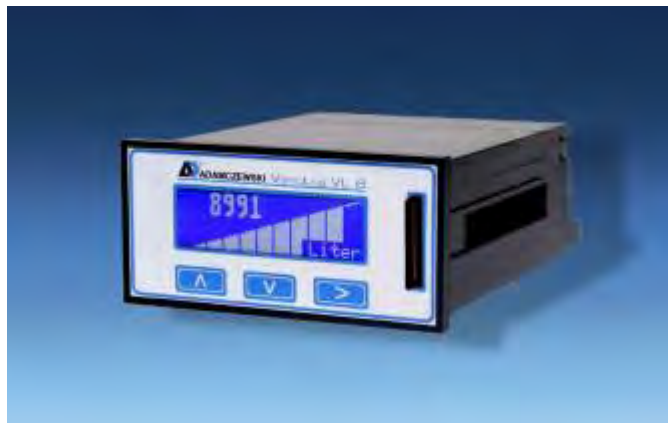
Description

The VarioLog AD-VL8A4-S serves the visualisation for 4 transmitter signals which can be initialized independently with simultaneous data logger function of all channels. During this the 2- or 3-wire transmitter is supplied directly with a galvanically separated and limited supply voltage.

Each display channel has a current input and a voltage input and can be sized completely freely.

There are the most diverse types of indication, amongst others a drag pointer function (display of the highest and lowest values) and a linearization over 24 x/y points (to show volume above the height, for instance). The physical dimension can be selected from a table. The measuring value is illustrated as a number or with a quasi-analogue bar. All parameter can also be operated or saved via a PC.

An integral electronic wide range power pack with a high degree of effectiveness allows operation in a supply range of 20-253 VDC or 50-253 VAC.



Application

Display of 4 independent analogue input signals in freely scalable dimension and unit and simultaneous data logger function of all channels. With integrated voltage supply for 2- and 3-wire transmitter.

Specifications

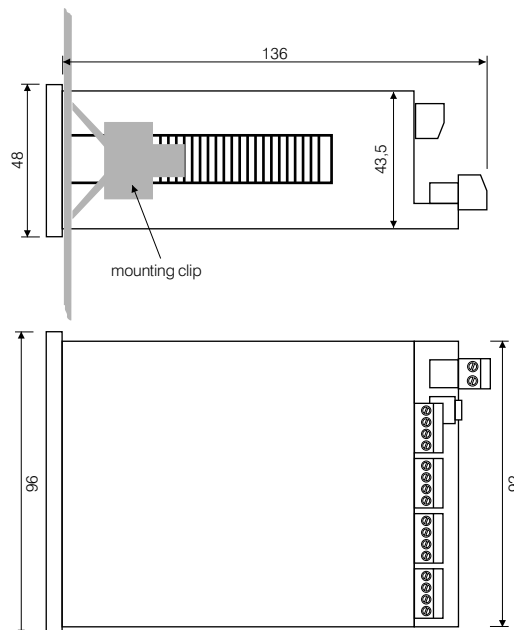
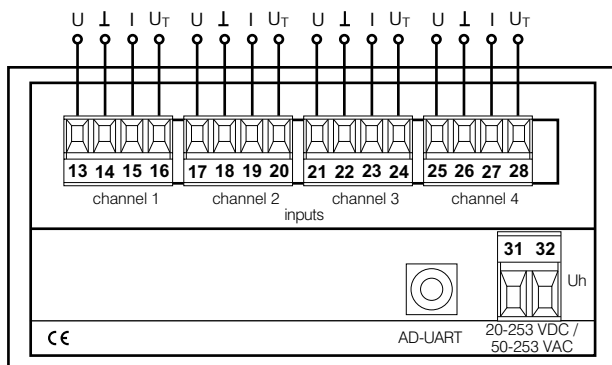
construction type	panel-mount case 48x96 mm front to control panel: IP 20, rear: IP 20
power supply	wide-range 20-253 VAC / 50-253 VDC
power consumption	approx. 7 VA resp. 5 W
input	4-channel current (max. 20 mA) or voltage (max. 10V) <u>with common ground</u>
resolution	10 bit
input impedance	current: 120 Ohm; voltage: 100 kOhm
transmitter supply	approx. 17 VDC (20mA) and 20 VDC (no-load) limited to 25mA each channel
features	- independent indication and data storage (data logger function) of each channel - free physical scaling - linearization over 24 x/y points - follow-up pointer function - number or quasi-analogue indicator - individual channel notation
interface	AD-UART
memory drives	SD- or MMC card (max. 2 GB)
insulation test voltage	signal/power-supply: 4 kV RMS
protective system	input/power supply: against over voltage, over current and over heating
CE-conformity	EN 61326
ambient temperature	0 to 50°C

Connections and dimensions: AD-VL8A4-S

Inputs connection overview:

channel		1	2	3	4
voltage	+	13	17	21	25
	↓	14	18	22	26
current	+	15	19	23	27
	↓	14	18	22	26
2-wire transmitter	+U _T	16	20	24	28
	-	15	19	23	27
3-wire transmitter	+U _T	16	20	24	28
	Sig	15	19	23	27
	↓	14	18	22	26

transmitter supply U_T ca. 20V



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