



### General

SIM has developed the ultrasound level meter LV630 in order to monitor the water level in wells, channels, where the absence of moving parts under water allow the instrument to have a very easy installation and having high quality at the same time. This instrument, due to its features, is used for low depth waters, for example, for measuring the flow in channels with V-Notch etc.

The instrument working principle is based on the response time of a sound wave. In the first phase the instrument releases a define number of sound waves, in the second phase it receives back the eco, calculating the time elapsed between the wave sent and the one received. The instrument translate the time elapsed into distance. The output signal produce is mA, and it is directly proportional to the distance between the sensor and the water surface, where 4 mA is max height and 20 mA is the min one.

Since has this sensor an electrical output, it can be easily read by any data acquisition system produced by SIM:

- A. MINILOG data acquisition system
- B. NATUN data acquisition system
- C. DATAVIEW read out unit

### Applications

Water level measurement in channels etc.

**Level measurement  
with no contact**

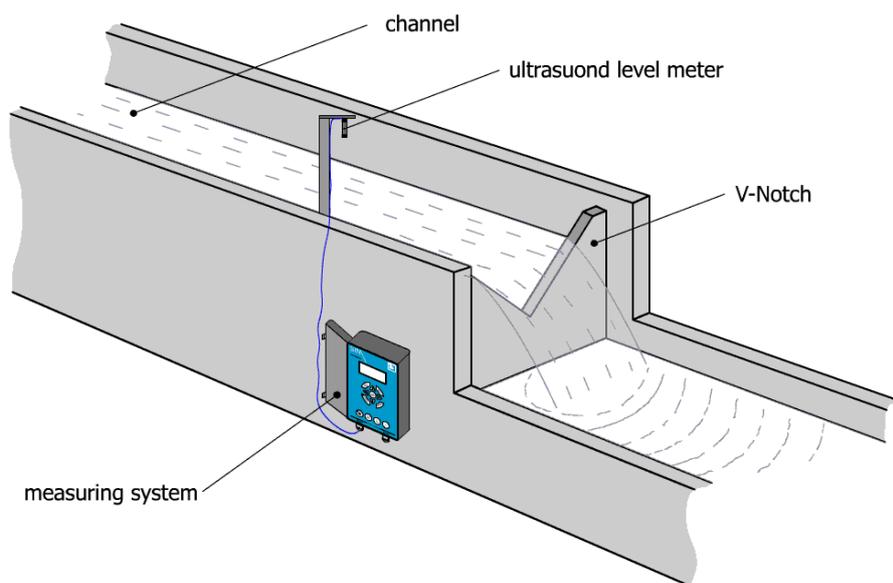
**Temperature compensated**

**4-20 mA Output**

**Reliability for long  
term monitoring**



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## Technical features

Model	LV 630 - 01	LV 630 - 02	LV 630 - 03
Range (mm)	61 ÷ 305	122 ÷ 915	244 ÷ 1830
Supply	18-30 Vcc		
Output	4-20 mA		
Linearity	0.5% FS		
Consumption	100 mA		
Dimensions	(01) 25 x 51 x 102 mm (02,03) Ø 25 x 102 mm		
Operating temperature	-20 ÷ 70 °C		
Material	Aluminum (01) , PVC (02,03)		
Weight	0.700 kg		

## Accessories & spare parts

LV630 - AX - MW01	Mounting beam
LV630 - AX - MW02	"L" mounting bracket

LV630\_EN ED01/07



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