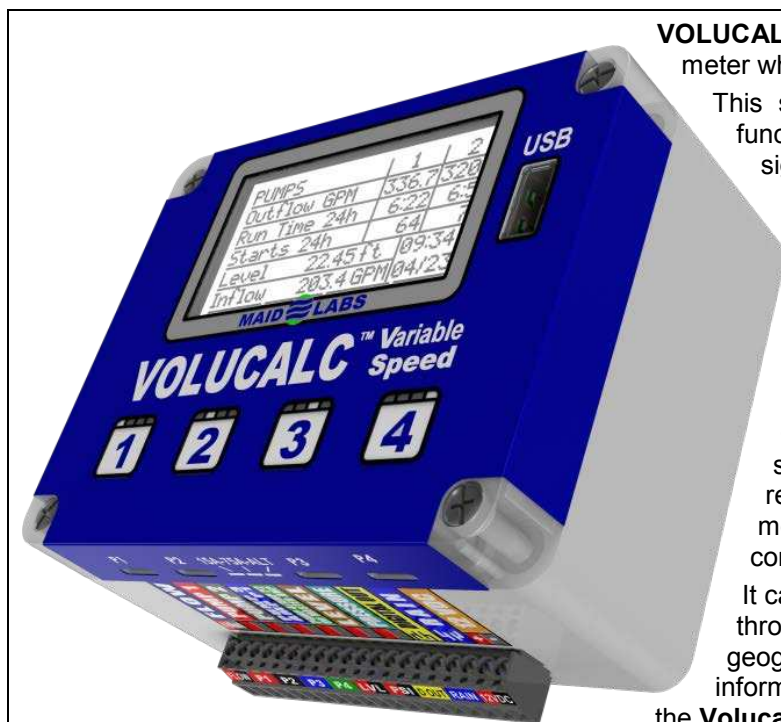


# Volucalc VS Constant and Variable Speed Pump Flow Meter MLVC



**VOLUCALC™ VS** is a calibrated pump curve based flow meter which displays all vital information on screen.

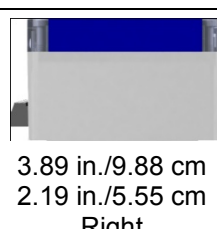
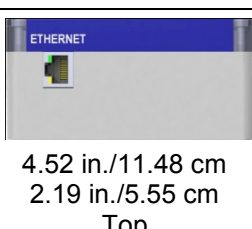
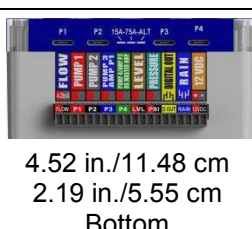
This stand-alone unit records and monitors vital functions of your lift station. It generates a 4-20mA signal proportional to the flow calculated.

It computes flow by integrating the pump curves of up to 4 pumps, then readjusts it based on water level, force main pressure and station calibration.

It improves your existing SCADA system by supplying the most probable flow through a constantly adjusted 4-20 mA output.

Good for up to 4 constant speed or variable speed pumps. Current clamps are used to record fixed speed pumps operation and to monitor variable speed pumps power consumption (for 3 pumps or less).

It can record many months of data downloadable through a USB or Ethernet port. The MaidMap geographic monitoring software displays real-time information and can be used to download data from the **Volucalc VS**.



Name/Item No.	Volucalc VS / MLVS
Product type	Calibrated Based Flowmeter
Types of recorded and displayed data (always time stamped)	Flow, level, force main pressure, pump speed, current (optional for variable speed pumps), power consumption, volume lost in C.S.O. events, run time, number of starts, abnormal behaviours
Flow accuracy	Related to accuracy of pump curves and mostly the quality of the calibration
Alarms	Abnormal behaviours, pressure, level
Action taken during alarms	Email, colour changes on geographic map
Internet functions	Email, geographic map showing pump operation
Digital inputs	1 used for rain
Reading speed of digital input	1 kHz
4-20mA analog inputs	6 : 1 for level, 1 for pressure, 4 for current or speed or a mix of both.
Reading speed of analog input	1 Hz
Analog input accuracy	± 0.1 %.
Digital output	1, activated with alarm setup or remote manually.
Internal temperature sensor accuracy	± 3°C
Memory (Mo)	2 Gb

Memory (Million records)	200
External power	12 VDC 1 AMP
Operation time on batteries	2 days
Type of batteries	2 types C alkalines batteries or rechargeables
Integrated battery charger	YES
Download	USB drive and Internet
Communication Interface	USB and Ethernet
Display	Backlit graphic 128 x 64
Keyboard	4 soft keys
Installation Options	DIN Rail
Dimension (inches)	4.5 x 3.9 x 2.2
Dimensions (cm)	11.5 x 9.9 x 5.6
Weight including 2 type C batteries	1 lb/0.45 kg
Information on screen	Flow, level, pressure, time, volume lost in C.S.O. event, operation time, number of starts, abnormal behaviours, historical data, setup.
Downloadable data	All that can be seen on screen and every time stamped events and readings.
Accessories	External power, current sensors, pressure sensor, level sensor, mounting brackets, cellular modem.