

VSIM-2-HF
VSIM-2-EN

QUICK GUIDE VOLUME-SIMULATOR





BOSMA-CONTROLS

Measuring & Control

Quick Guide Volume Simulator Model VSIM-2-HF and VSIM-2-EN

The model **VSIM-2** Volume Simulator is the newest design digital Li-Ion accu-powered hand-held/portable device for the generating of Low Frequency metering counting pulses to modems, Electronic Volume Correctors (EVC's) and other devices. The device is available in two variants: **VSIM-2-HF**, having extra a High Frequency (HF) output and **VSIM-2-EN**, this model instead can READ a gasmeter having an ENCODER output, by displaying the "a" and the "b" telegram. Also a fixed format WRITE function is selectable for sending to a modem-logger or other device

Manufacturer:	Bosma-Controls B.V. / Edtree Engineering, The Netherlands
Housing:	ABS desktop box 156x114x79mm, IP44
Weight:	+/- 430 grams
Powersupply:	Build-in 3.7 DC Li-Ion 18650 3600mAh with protected circuit, 0.08mA
Powercharge connection:	Both Micro USB and a Jack Socket-female for power & charge (+/- 4-6 hours for full load)
Battery life:	+/- 30 hours at an output frequency of 1 Hz (auto-power-off after 30 minutes no activity)
Operating temperature:	5-40 °C
Connections (type):	Both DIN6 socket male & DIN6 socket female (all 6 pins are parallel connected), 2mm female connectors (Banana type)
Inputs:	Female 2mm Banana connectors available for: incoming LF pulse (IC-counter on display), incoming Fault or Error pulse (Red LED blinks) & for ENCODER (only VSIM-2-EN). ENCODER-input also via both DIN6 connectors on pin 1(+) and 2(-)
Outputs:	LF pulse (reed relay) on both female and male DIN6 connector, pins selectable HF pulse opto-coupler output on both female and male DIN6 connector pin 3(-) and pin 6(+), HF only available on model VSIM-2-HF LF pulse output available on 2mm female-plug output, only when LF is selected on pin 1-2 ENCODER "a" and "b" telegram (ENCODER only available on model VSIM-2-EN)
Pulse settings	Selectable 10, 100, 300, 1000 and "continuously" <=99999999 pulses
Output frequency LF:	Selectable <0.2Hz, 0.5Hz, 1.0Hz, and 3 Hz
Output frequency HF:	Selectable between 3Hz and 5000Hz, < +/- 0.01% F.S. (HF only available on VSIM-2-HF)



The VSIM-2-HF and VSIM-2-EN units are NOT ATEX approved



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