

JEVAmet[®] VCU

Vacuum Control Unit

- control and display unit for up to three active and passive vacuum sensors
- well readable LED display with six digits and status indications for each channel
- display and input of the measured values in mbar, Pa or Torr
- front keyboard with four keys
- serial interface RS232 / RS485 and digital control inputs
- one analog output per channel
- up to 6 freely programmable switching point functions
- wide-range power supply 100 – 240 VAC, 50/60 Hz for world-wide employment
- aluminum tube shield housing as rack module 1/4 19", 3 height units
- compatible with active and passive sensors made by JEVATEC and VACOM as well as various other total pressure sensors by InstruTech, LEYBOLD, PFEIFFER VACUUM and INFICON



Versions

JEVAmet® VCU-A0	Single-channel vacuum controller	CH1: ATMION®
JEVAmet® VCU-AM	Multichannel vacuum controller	CH1: ATMION®, CH2/3: active sensors (ATMION® excepted)
JEVAmet® VCU-B0	Single-channel vacuum controller	CH1: JEVAmet® IOS or BARION®
JEVAmet® VCU-BM	Multichannel vacuum controller	CH1: JEVAmet® IOS or BARION®, CH2/3: active sensors (ATMION® excepted)
JEVAmet® VCU-C	Multichannel vacuum controller	CH1/2: active sensors (ATMION® excepted)

Compatible active and passive vacuum sensors

JEVATEC – JEVAmet® PRM, PRM-S / JEVAmet® PZM-2000 / ATMION® / JEVAmet® IOS (passive Bayard-Alpert ionisation sensor)
VACOM – ATMION® / BARION® (passive Bayard-Alpert ionisation sensor)

InstruTech – CVM 211

LEYBOLD – TTR 81N, 90, 91, 91N, 96S, 96SN, 211, 216S, 911, 911N, 916, 916N, 100, 100S2, 101, 101N, 101S2, 101S2N

LEYBOLD – PTR 81N, 225, 225N, 225S, 225SN, 237, 237N, 82N, 90, 90N

LEYBOLD – CTR 90, 91, 100, 100N, 101, 101N

LEYBOLD – DU 200, 201, 2000, 2001, 2001 Rel.

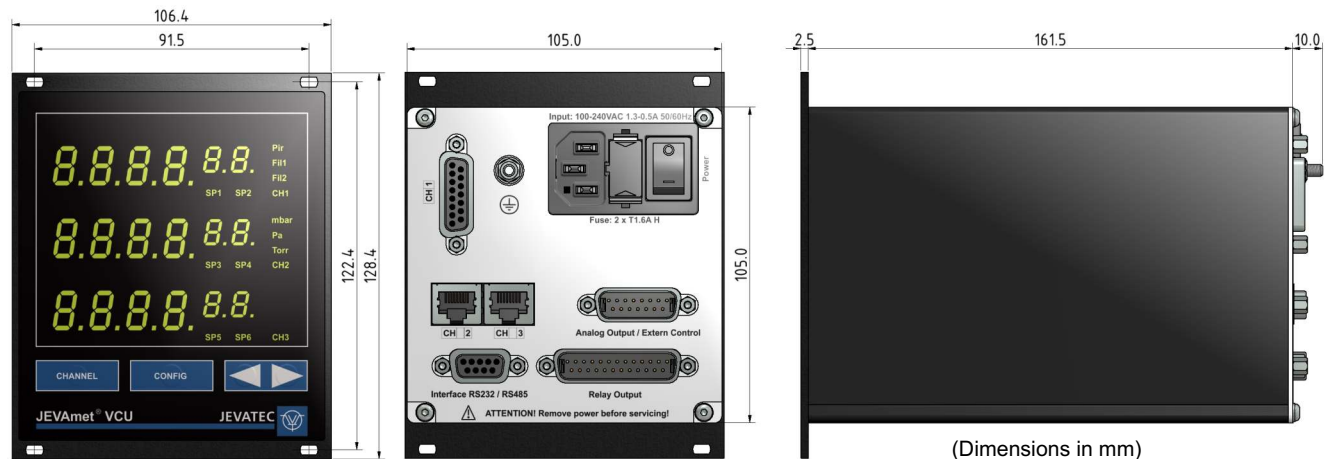
PFEIFFER VACUUM – TTR 91, 96, 100 / PTR 91, 225, 237 / CCR 36x, 37x

INFICON – PSG 500, 502, 550, 552, 554 / PCG 550, 552, 554 / MPG 400, 500 / PEG 100 / CDG 025D, 045D

Technical Data

Mains connection	Voltage:	100 – 240 VAC, 50/60 Hz (60 W max.)
	Connection:	rubber connector IEC 60320 C14
Measuring channels:	Number:	1 – 3 (depend on the controller version)
	Display range:	$1 \cdot 10^{-12}$ – 2000 mbar ($1 \cdot 10^{-10}$ – $2.0 \cdot 10^5$ Pa or $7.5 \cdot 10^{-13}$ – 1500 Torr)
	Measuring range:	sensor-dependent
	Connections:	15-pin SUB-D female connector (for ATMION®) 5-pin +2 SUB-D mixed connector (for JEVAmet® IOS or BARION®) 8-pin RJ45 (FCC 68) (for active vacuum sensors)
	Sensor powering:	+24 VDC \pm 5 %
Measuring instrumentation:	Measuring rate:	50 s^{-1}
	Display rate:	4 s^{-1}
	Display units:	mbar, Pa, Torr (selectable for the complete device)
Switching functions:	Number:	4 or 6 (depend on the controller version), freely programmable
	Contacts:	1 potential-free changeover contact each (30 VAC / +30 VDC, 1 A max.)
	Connection:	25-pin SUB-D male connector
Outputs and inputs:	Analog output:	1 for each channel, 0 – +10 VDC, sensor-dep., via 15-pin SUB-D male connector
	Extern control:	for ATMION®, JEVAmet® IOS, BARION® and PTR, via 15-pin SUB-D male connector
	Interface:	RS232 and RS485, via 9-pin SUB-D female connector
Usage:		indoors (2000 m above sea level max.), protection class IP40
Weight:		1.4 kg approx.

Dimensions



More information under:

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JEVATEC

Ideen in der Vakuumtechnik

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