

Leibold ITR 100
Ionization Vacuum Gauge



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Center One



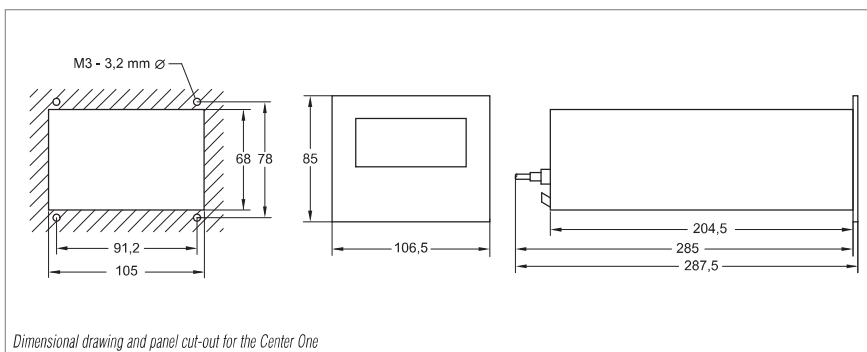
Universal and compact display and operating unit for operating the active sensors from the CERA-VAC, THERMOVAC, PENNINGVAC and IONIVAC series.

Advantages to the User

- ◆ Power supply voltage for the transmitters
- ◆ Display range from 1×10^{-10} to 1330 mbar
- ◆ Readout selectable between mbar, Torr or Pascal
- ◆ Adjustable switching threshold with relay contact and variable hysteresis
- ◆ Chart recorder output 0 - 10 Volt
- ◆ RS 232 C interface
- ◆ Compact bench top enclosure (1/4 19-in., 2 HE)
- ◆ For fitting into 19-in., 3 HU racks

Connectable Sensors

- ◆ CERA-VAC CTR 90 and CTR 91
- ◆ THERMOVAC TTR 90, TTR 90 S, TTR 216
- ◆ PENNINGVAC PTR 225 and PTR 237
- ◆ IONIVAC ITR 90 and ITR 100



Technical Data		Center One	Ordering Information	Center One
Number of measurement channels		1	EU version US version	Part No. 230 002 Part No. 235 002
Display for measured values		Digital, 7 segment LED, 5 digits		
Display range	mbar (Torr)	1×10^{-10} to 1330 (0.75×10^{-10} to 1000)	Connecting cable, CERA VAC	
Unit of measurement (selectable)		mbar, Torr, Pascal	5 m	Part No. 129 34
Witching threshold		Floating changeover contact with variable hysteresis	10 m	Part No. 129 33
Chart recorder output ($R_a > 10 \text{ k}\Omega$)		0 - 10 Volt, characteristic corresponds to the connected transmitter	20 m	Part No. 129 35
Electrical outputs		Switching contacts and chart recorder outputs via 25 way Sub-D socket	30 m	Part No. 129 36
Interface		RS 232 C (Cable length 30 m max.)	Connecting cable, THERMOVAC and PENNINGVAC	
Main connection		85 V - 264 V AC / 50-60 Hz	5 m	Part No. 124 26
Weight	kg (lbs)	0.85 (1.9)	10 m	Part No. 157 33
			15 m	Part No. 124 27
			20 m	Part No. 124 28
			30 m	Part No. 124 29
			40 m	Part No. 124 30
			50 m	Part No. 124 31
			75 m	Part No. 124 32
			100 m	Part No. 124 33
			Connecting cable, IONIVAC	
			5 m	Part No. 124 55
			10 m	Part No. 163 83
			15 m	Part No. 124 56
			20 m	Part No. 124 57
			30 m	Part No. 124 58
			Adapter panel for installation in a 3 HU 19-in. rack	Part No. 230 005
			Screw terminal for the 25 way output socket	Part No. 230 006

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