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Manometru digital dV-1

DIGITAL PRESSURE GAUGE dV-1

IN OVAL HOUSING OR AS OEM MODULE

Cutting-edge micro-controller technology has now made it possible to produce an extremely small and compact pressure gauge with a digital display and very low power consumption.

The dV-1 pressure gauge is available in bar and PSI units, displayed with a resolution of 0,5 %FS and a measuring interval of 500 ms.

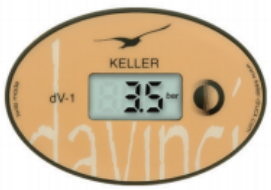
There are two versions: One has an ON/OFF button to activate the instrument, and the other version without a button automatically activates the display when pressure is applied.

If desired, the zero point can be updated automatically while the display is turned off so the module can perform relative measure measurements without the need for a reference pressure input on the transducer. The pressure gauge can therefore be installed (as an OEM module in a customer-specific housing) in airtight and watertight housings. Examples of this type of dV-1 application are paint spray guns which are totally immersed in solvent for cleaning purposes at the end of a working day.

The dV-1's power consumption is so low that the instrument can be operated for several years with a small button-cell battery.

The devices are available in the typical daVinci line oval housing or as an OEM module that can be integrated into the customer's system.

Highly competitive pricing and striking simplicity (with no more than one button) make the dV-1 pressure gauge the ideal basis for OEM devices that can be adapted at little expense to meet customers' requirements (design, software, pressure sensor connection, pressure range, battery contacts and display) depending on the volumes required.





dV-1 in oval housing with battery compartment and pressure connection nipple, ø 5 mm



dV-1 OEM module with battery contacts and pressure sensor with O-ring ø 11 mm



dV-1 OEM module with soldered-in battery and pressure sensor connection, ø 5 mm



Display

SPECIFICATIONS

Pressure Ranges bar (abs./rel.)	0…1,99 bar	0…9,95 bar	0…19,9 bar	0…99,5 bar *	0…199 bar *
Pressure Ranges PSI (abs./rel.)	0…99,5 PSI	0…199 PSI	0…995 PSI *		
Cut-in threshold (version without button)	0,02 bar / 0,5 PSI	0,1 bar / 2 PSI	0,1 bar / 2 PSI		
Pressure units	bar or PSI (other units available as options)				
Versions	dV-1 in oval housing, with or without button / Pressure sensor connection nipple ø 5 mm to fit SERTO coupling, series 20 *				
	dV-1-OEM with battery contacts or soldered-in battery / various pressure connections				
Display resolution	200 points				
Overpressure resistance of sensor	1,5 x pressure range				
Accuracy	1 %FS				
Temperature range	10…40 °C				
Power supply	Battery, 3 V lithium button-cell, type CR 1632				
Battery lifetime	approx. 9 months for continuous operation (LCD on)				
	approx. 20 months for instruments without a key, with LCD off				
Pressure connection	Sensor with O-ring, ø 11 mm / Connection nipple ø 5 mm for SERTO coupling, series 20 / Connection nipple ø 6 mm for Swagelok-316 connection				
Housing dimensions (width x height x depth)	Oval housing: 50 x 34 x 20 mm		OEM: 33 x 18 x 10 mm		
Weight	dV-1 in oval housing: ≈ 35 g (with protective rubber cover: ≈ 50 g) / dV-1 OEM module: ≈ 6 g				
Optional accessories	- Protective rubber cover				
	- Front label with customer's logo				

* P > 10 bar: use SERTO-connection, P > 30 bar: use Swagelok-316 connection

NOTA: Aceasta fisa a fost realizata sub rezerva modificarilor ulterioare de ordin tehnic sau a erorilor de editare.

Fotografia are caracter informativ.

NOTE: Products and specifications are subject to change without prior notice .Pictures may differ from original.