

## ELECTRONIC VACUUM

### “VE” SERIES



#### DESCRIPTION

The VE series transducers find their optimal use in the following applications:

- Filtration;
- Packaging;
- Pneumatics;
- Vacuum handling systems;
- Industrial applications

Consisting of a Hall sensor, the development of this transducer is based on the concept of the solicitation of a semiconductor by means of a magnet.

It is made of reinforced technopolymer in such a way as to withstand mechanical stresses and high thermodynamic conditions.

The use of ultrasonic welding technology makes the coupling of the components making up the product homogeneous and stable over time, avoiding metal joints or rivets.

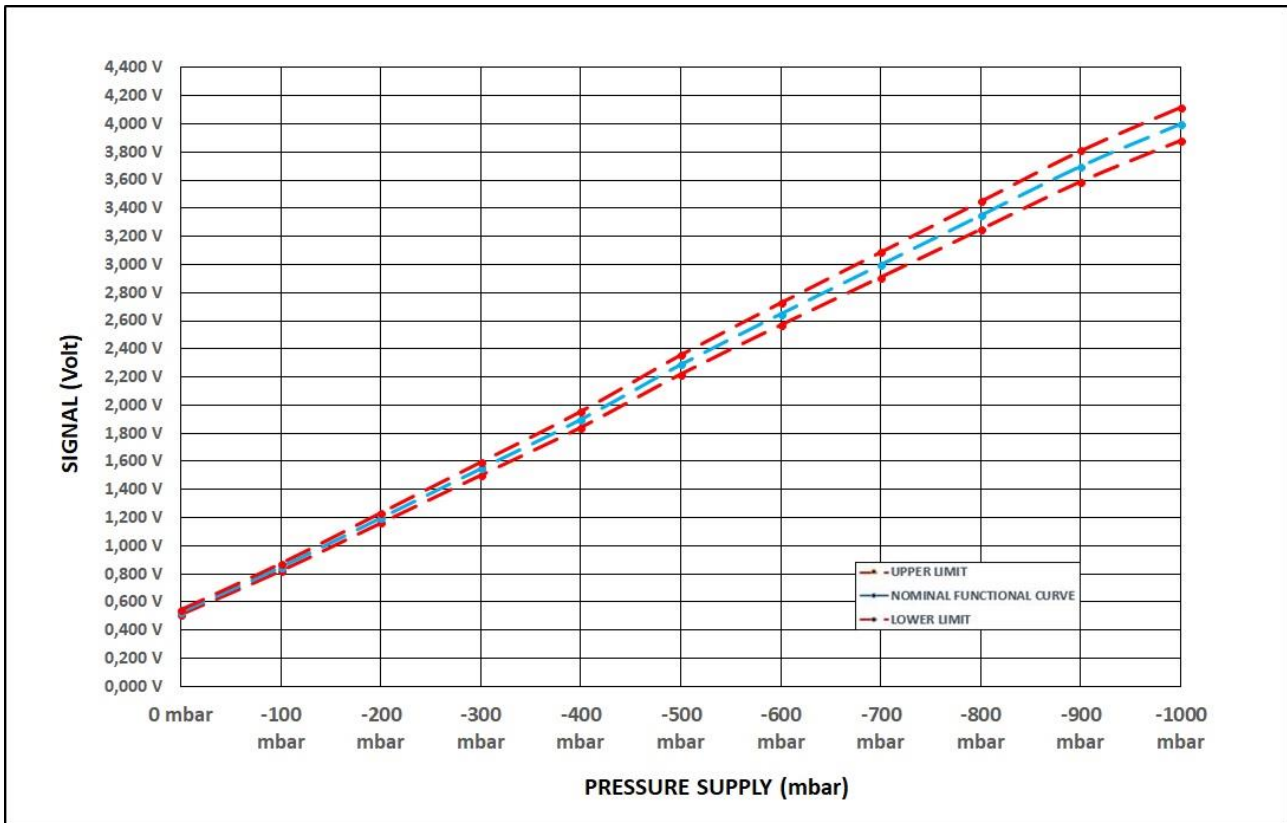
OPERATIONAL FEATURES	
Operating range	0 ÷ -1000 mbar
Overload pressure	≤10 bar
Breakdown pressure	>20 bar
Fluid temperature	≤ 80°C; ≤110°C (thermal shock max. 3 minutes)
Ambient temperature	≤90°C
Fluid	Liquid, gas

ELECTRICAL FEATURES	
Supply	5 Vdc (±3%); 8-30 Vdc
Output signal	0 ÷ -1000 mbar
	<b>0,5...4 Vdc (Customization feasible on request)</b>
Electrical absorption	<12mA
Resistance load	≥1 KΩ
Capacitance load	100nF

CONSTRUCTION FEATURES	
Plastic casing	Polyarylamide (also available as IEC 60695-2-12 GWFI approved materials)
Sensitive component	AISI
Seal	EPDM; NBR; FPM; SILICONE
Sensor	Programmable
Connector	RAST 2,5 (AMP duoplug type)
Protection degree	IP00
Weight	22 gr.

APPROVALS
EN61000-4-2, EN61000-4-3, EN61000-4-4 All our products conform to the 2002/95/EC European directive (RoHS)

**ELECTRONIC VACUUM CURVE**  
**PRESSURE RANGE: 0,0 / -1000 mbar; OUTPUT SIGNAL: 0,5 – 4,0 VDC**



**ELECTRICAL CONNECTIONS**

**DIMENSIONAL PATTERNS**

