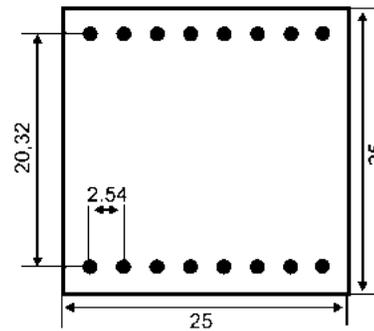
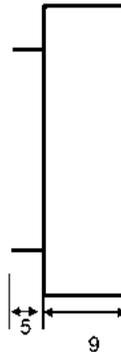
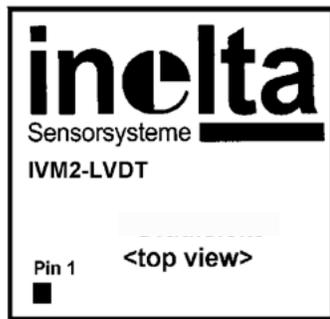


The IVM2-LVDT is a single-channel signal converter with analog output signal, used for connection of 5-pole LVDTs (1 primary, 2 secondary coils).

- Miniature size: 25x25x9 mm
- 16-Pin DIL with 2.54 mm-raster
- Offset, gain settings adjustable with external trimpots
- Reverse voltage protection

Drawing (mm)



Order code					
Type	Supply voltage	Output Signal	Excitation frequency	Filter	Ext. temp. range*
IVM2-LVDT	-24	-10	-2k5	-1	-EW
IVM2-LVDT	15 = ±15V	10 = ±10 VDC	2k5 = 2500 Hz	1 = 1000 Hz	EW = -25..+85°C *in case of -25..+85°C

Technical Specification

Supply voltage	$\pm 15 / \pm 5\%$	[VDC]
Current consumption (depends on 4/6-wires)	<20	[mA]
LVDT-Excitation voltage	4	[V _{eff}]
Setting range offset	± 8 (with reference to application)	[V]
Output signal	0 ± 10 (max. -11 .. +11)	[VDC]
Noise / residual ripple	≤ 5	[mV _r]
Linearity deviation	$< \pm 0.01$	[%F.S.]
Temperature coefficient sensitivity	20	[ppm/°C]
Temperature coefficient zero point	10	[ppm/°C]
Limit frequency / Output (3db)	2500	[Hz]

Mechanical Specification

Housing material	Plastic, sealed	
Housing dimensions (L x B x H)	25 x 25 x 9 (not including solder pins)	[mm]
Weight	~9	[g]

Environments

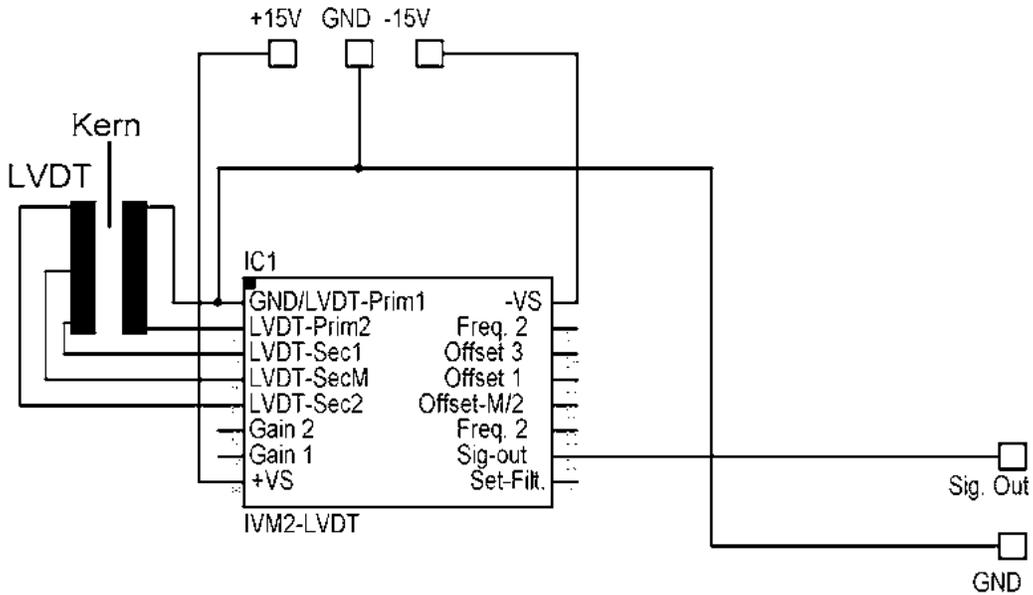
Rated temperature range	0 .. +60	[°C]
Storage temperature range	-25 .. +70	[°C]
Impact resistance	EN 60068	
Vibration resistance	EN 60068	

Accessories



Adapter board with terminal and trim-potentiometer

Application sample: Minimal configuration for +/- output, Gain 10x, Offset=0



The IVM2-LVDT is a single-channel signal converter with analog output signal used for 5-pole LVDTs. Developed for measuring equipment and system manufacturers, this module contains an amplifier circuit that takes control of the LVDT and produces an output that is proportional to the displacement.

Amplification and offset can be adjusted independently using externally connected trim potentiometers. The standard frequency of 2.5kHz can be increased externally (up to 50kHz) using two resistors.

Subject to change without prior notice.