



inelta LVDT

Displacement sensors for
industrial applications

LVDT Inductive displacement sensors from Inelta


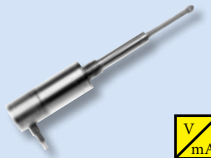
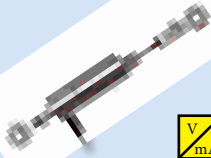


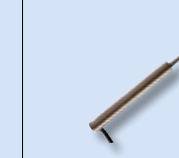
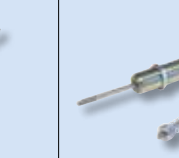
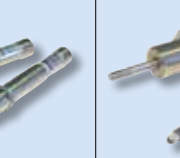
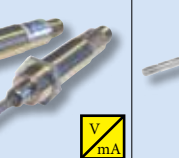


Inductive Inelta displacement sensors (LVDT) are synonymous with a high-level of measuring accuracy and reliability.

Inelta develops and manufactures its inductive displacement sensors as standard devices for a wide range of different industrial sectors. Whether you choose a standard or high-specification LVDT - all Inelta displacement sensors will provide you with state-of-the-art sensor technology.

*Cutting edge technology!
Inductive displacement sensors from Inelta*

- ...> **Features:**
- Temp. ranges of up to 125°C
 - Protection class up to IP68
 - Linearity tolerances from 0.25%
 - Extr. high measuring accuracy
 - Dynamic measurements
 - External thread
 - Individual special design sensors

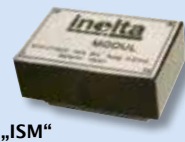
- ...> **Areas of application:**
- Automation technology
 - Test facilities
 - Mechanical engineering
 - Medical technology
 - Production lines

Overview Series / Technical Data											
Type	ISAL ISDL (int. transducer)	ISAT ISDT (int. transducer)	ISAG ISDG (int. transducer)	ISAB ISDB (int. transducer)	IKAL	IKAT	ISGA-M12	ISGA-M18 ISGD-M18 (int. transducer)	ISGA-M30 ISGD-M30 (int. transducer)	IEDL (int. transducer)	IEDT (int. transducer)
Physical characteristics	unguided armature	spring-return-version	rod-end bearings	with bellow	Small housing size D=8mm	Small housing size D=8mm, spring-return-version	External thread M12, M18 and M30 (option: stainless steel)			Economy-Series, unguided armature	Economy-Series, spring-return-version
Stroke [mm]	2 .. 200	2 .. 50			2 .. 20		2 .. 10	5 .. 20			2 .. 50
Linearity tolerance [% F.S.]	< ±0,5 < ±1 (< ±0,25 optional)	< ±0,5 (< ±0,25 optional)			< ±0,5		< ±0,5 (< ±0,25 optional)			< ±0,75	
Temp. Coeff. [%F.S./°C]	0,02			0,02		0,02			0,05		
Material	steel nickel plated				steel nickel plated		stainless steel			steel nickel plated/ Polyamid PA6	
Terminal type	cable/plug		cable	cable/plug		cable			plug		
Temperature range [°C]	-35 .. +120 (internal transducer: 0 .. 70), optional 0 .. +85				-35 .. +120		-35 .. +120 (internal transducer: 0 .. 70), opt. 0 .. +85			0 .. 70	
Schock	200g / 2ms (internal transducer: 100g / 2ms)				200g / 2ms		200g / 2ms			100g / 2ms	
Vibration	10g / 2 Hz .. 2 kHz				10g / 2 Hz .. 2 kHz		10g / 2 Hz .. 2 kHz			10g / 2 Hz .. 2 kHz	
Protection class	IP65 (optional IP68)				IP65		IP65			IP64	
Options	individual cable length and types, temperature calibrated range from -40 .. +120°C, waterproof										
Accessories	Mounting tools, connectors, longer armatures 50, 80, 150, 250 mm										

Sensor signal amplifier for displacement-, force- and potentiometric-sensors.
Output signals e.g. 0 .. 10 V oder 0/4 .. 20 mA.



„IMA2“
DIN Rail mounting
80 x 85 x 22,5 mm



„ISM“
For PCB
40 x 30 x 15 mm

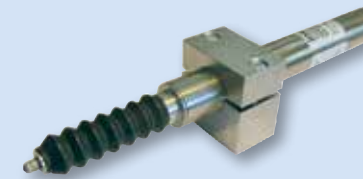


„IVM2“
Miniature for PCB
25 x 25 x 9 mm

Our brochure for sensor signal conditioner „IMA2“.



Sample mountings:



Mounting Block



Mounting Flange



Inelta Sensor Systems develops and manufactures high-quality, state-of-the-art sensors and systems

Product range:

- Force sensors „Force“
- Motorized potentiometer „MoPo“
- Transducer „IMA2“
- Actuator „LiSA“



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