

LINEAR VARIABLE DISPLACEMENT TRANSDUCERS Series PTz

APPLICATION

The transducers PTz series, are used to measure displacement and move of small mechanical parts.

CHARACTERISTICS

- Unguided core
- Small dimensions and weight
- DC power supply
- High repeatability

PRINCIPLE OF OPERATION

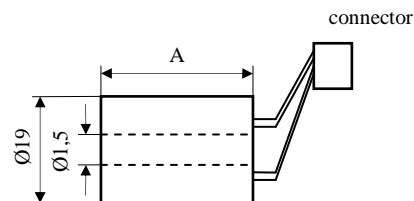
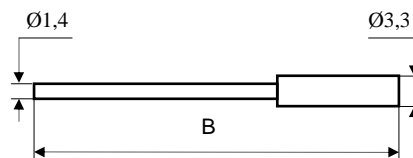
The LVDT is a cylindrical electromechanical device consisting of one primary winding, two secondary windings and a moveable core. When the primary is powered and the core moved, the output from the secondaries is proportional to and in phase with the core movement

SPECIFICATIONS

PTz transducer	PTz2,5
Measure range [mm]	±1,25
A [mm]	20
B [mm]	25

1	Power supply	6 VDC
2	Output signals	±1,25V
3	Linearity [% MR]	≤ 1
4	Temperature range	-20...+70°C
5	Electrical connection	wires
6	Vibration immunity	20g ÷ 2kHz
7	Shock tolerance	100g, 11ms
8	Housing material	steel 1H18N9T or AISI 304

DIMENSIONS



BLOCK DIAGRAM

