PELTRON TOWARZYSTWO PRODUKCYJNO HANDLOWE Sp. z o.o. ul. Turystyczna 4, 05-462 Wiązowna
TEL. (22) 615-63-56, 615-25-70, FAX. (22) 615 –70-78 http://www.peltron.home.pl e-mail: peltron@home.pl

LINEAR VARIABLE DISPLACEMENT TRANSDUCERS Series PJy

APPLICATIONS

This type of transducers contain measure amplifier inside. They are used to measure static linear displacement also to changes of length and thickness of materials, bending of machines and constructions.

CHARACTERISTICS

- Unguided core
- Amplifier inbuilt
- Weather and wear resistant (IP65)
- DC power supply

PRINCIPLE OF OPERATION

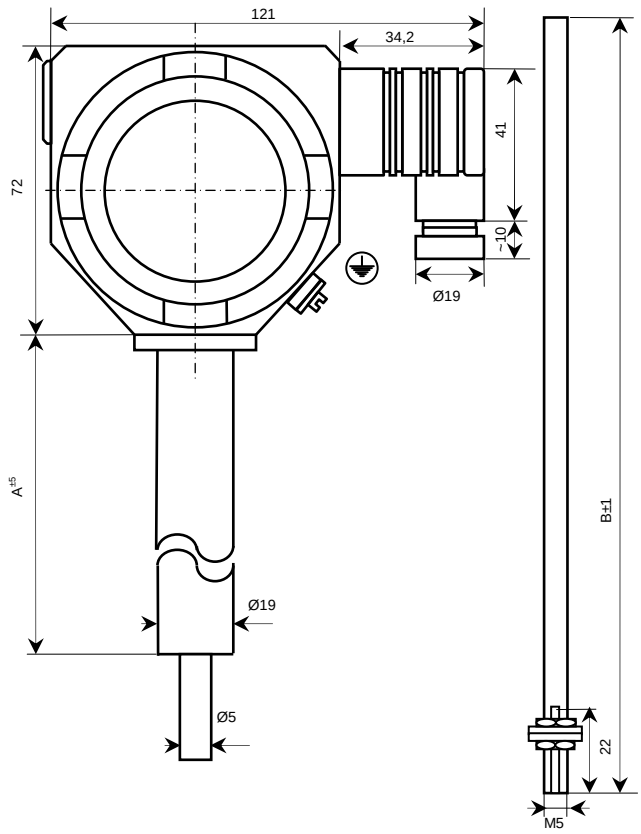
The LVDT is a cylindrical electromechanical device consisting of one primary winding, two secondary windings and a moveable core. When the primary is powered and the core moved, the output from the secondaries is proportional to and in phase with the core movement

SPECIFICATIONS

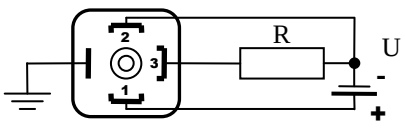
PJy transmitter	PJy20	PJy30	PJy50	PJy100	PJy200	PJy250	PJy300	PJx400
Measuring range [mm]	± 10	± 15	± 25	± 50	± 100	± 125	± 150	± 200
A [mm]	111	131	161	261	361		491	591
B [mm]	215	225	245	345	455		565	665

1	Power supply	18÷28 VDC, max 60 mA,
2	Output signals	±10V;±5V;0÷10V,0÷5V,4÷20mA, 0÷20mA (set by manufacturer)
3	Load resistance	R≥2 kΩ for voltage signals R<700 Ω for current signals
4	Isolation resistance	≥20 MΩ
5	Accuracy [% MR]	≤0,5; ≤0,25
6	Operation temperature	0÷80°C; option: -20÷80°C
7	Temperature accuracy	0,02% MR / °C
8	Electrical connector	DIN43650
9	Enclosure material	steel 1H18N9T or AISI 304

DIMENSIONS



ELECTRICAL CONNECTION



The continual development of our products causes a necessity of changes introduction which can not be published in this document.