PELTRON TOWARZYSTWO PRODUKCYJNO HANDLOWE Sp. z o.o. ul. Turystyczna 4, 05-462 Wiązowna
☎ **+48 (22) 615-63-56, +48 615-25-70,** 🖷 **+48 (22) 615 –70-78** ✉ peltron@home.pl www.peltron.pl

LINEAR DISPLACEMENT TRANSDUCER PSz series

APPLICATION

Transducer PSz series are used in static and dynamic measurement like: materials length and thickness change, construction and machine elements deflections.

CHARACTERISTIC

- Return spring
- High stability and accuracy
- Very high repeatability
- High mechanical durability

CONSTRUCTION

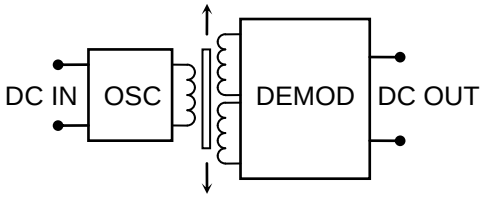
The transmitter construction is based on the differential transformer placed in a cylindrical housing. The output signal depends from a movable magnetic core position inside the coil assembly. The return spring tightens the core connecting rod to the measured object. In the same housing is an electronic system.

TECHNICAL DATA

Transducer	PSz5	PSz10	PSz20	PSz50	PSz100
Measure range[mm]	±2,5	±5	±10	±25	±50
A (electric zero) [mm]	127	141	254	308	454
B [mm]	100	129	190	255	380

1	Power supply	15VDC, 20÷40 mA
2	Output signals	±5V DC ±10%, ±10V ±10% for PSz100
3	Output resistance	5,6 kΩ
4	Load resistance	≥10 kΩ
5	Isolation resistance	≥20 MΩ
6	Band	3dB,50Hz
7	Accuracy	≤0,5% MR; ≤ 0,25% MR
8	Operating temperature	from -20 to +70 °C
9	Electric connection	PVC cable ½ m no connector
10	Vibration	20g do 2kHz
11	Surge	100g, 11ms
12	Case material	316

BLOCK DIAGRAM



DIMENSIONS