



## LINEAR DISPLACEMENT TRANSDUCER - series PNY

Linear variable differential transformer transducers PNY series belong to AC/AC group. They are used to measurement of small displacements with high accuracy and precision. Significant application of this series is measurement of flatness of surface of car windows.

### CHARACTERISTIC

- Return spring
- Pneumatic version
- High accuracy
- High reliability

### CONSTRUCTION

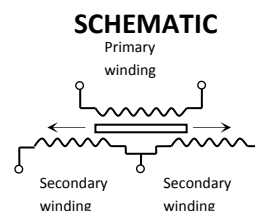
Basic element of this series is differential transformer placed in cylindrical case. Inside its coil there is a magnetic core. Output signal depends on the core movement.

### TECHNICAL DATA

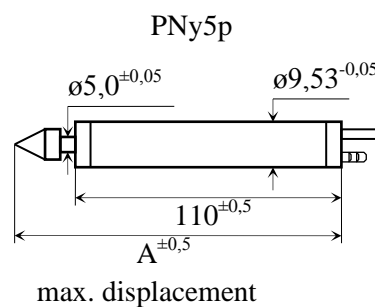
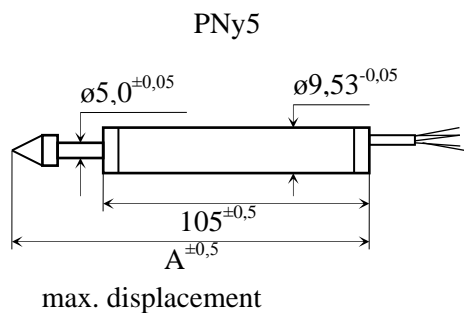
Type	PNy5	PNy5p
Range [mm]	±2,5	±2,5
A [mm]	126	120

( p - pneumatic version )

1	Power supply	3,6 Vrms, 10 mA, 3 kHz
2	Output signal	±1,2 Vrms ±10%
3	Loading resistance [kΩ]	R ≥ 10
4	Isolation resistance [MΩ]	≥ R 20 MΩ
5	Accuracy [% MR]	≤ 0,5
6	Temperature range [°C]	-20...+ 80
7	Electrical connection	cable LIYCY 4x0,14 ½ m no connector
8	Vibration resistance	20 g do 2 kHz
9	Surge	100 g, 11 ms
10	Case material	steel 1H18N9T or AISI 304



### DIMENSIONS



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