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TRANSFORMER LINEAR DISPLACEMENT TRANSDUCERS PJy SERIES

APPLICATIONS

Linear Displacement Transducers of the PJy series can be used in static and dynamic measurements of displacements, materials length, and thickness change, construction and machine elements deflections.

CHARACTERIZATION

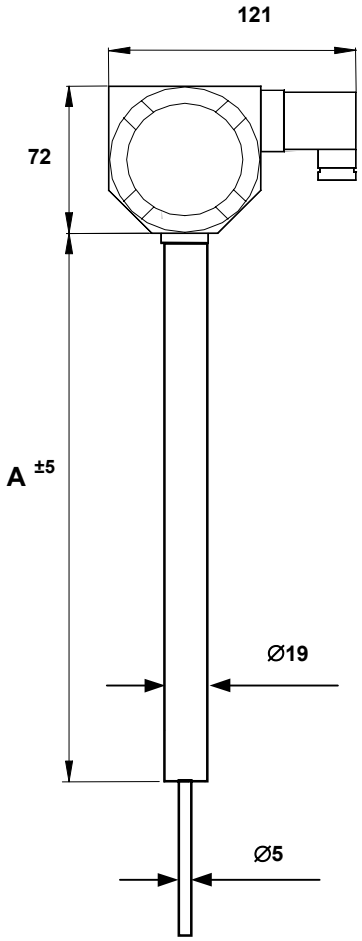
- With integral signal conditioner
- Free movable magnetic core
- Good resistant to weather (IP 65)
- High mechanical durability

CONSTRUCTION

The transducer construction is based on the differential transformer placed in a cylindrical housing.

DIMENSIONS

Model	PJy20	PJy30	PJy50	PJy100	PJy200	PJy300	PJy400
Range (mm)	±10	±15	±25	±50	±100	±150	±200
A (mm)	111	131	161	261	361	491	591
B (mm)	215	225	245	345	455	565	665



TECHNICAL DATA

Supply..... 18 ÷ 28VDC / 60mA

Output signal.....±10Vor: ±5V; 0-10V; 0-5V
4-20mA; 0-20mA

Load resistance [R]..... ≥2kΩ for voltage outputs
<700Ω for current outputs

Insulation resistance..... .≥20M Ω

Non-linearity..... ≤0,5%; option ≤0,25%

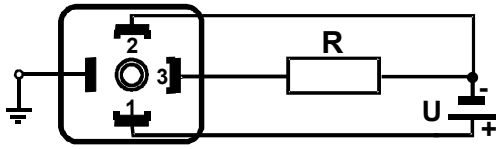
Operating temperature range..... 0...70°C; option –20...+80°C

Temperature error.....0,02% / °C

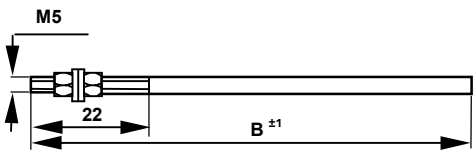
Electrical connection..... Terminal Box to DIN 43650

Housing materials
Transformer ..... 1H18N9T steel (316ss)
Electronic box ..... Al alloy

ELECTRICAL CIRCUIT DIAGRAM



CORE DIMENSIONS



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