



NOTES

All the data reported in this brochure and the data sheet, like linearity, lifetime, temperature coefficient are valid for a sensor utilization as a ratiometric device with a max current across the cursor $I_c \leq 0.1$ mA.

Do NOT use the linear transducer as variable resistance!

When calibrating the transducer, be careful to set the stroke so that the output does not drop below 1% or rise above 99% of the voltage level.

MAINTENANCE

The sensors are maintenance free. It is not necessary to lubricate the moving parts.

INSTALLATION GUIDE

Linear Potentiometer Series LZW1

For further information please see the data sheet at www.waycon.biz/products/linear-potentiometers/

FIRST STEPS

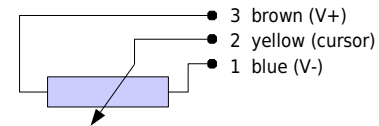
WayCon Positionsmesstechnik GmbH would like to thank you for the trust you have placed in us and our products. This manual will make you familiar with the installation and operation of our linear potentiometers. Please read this manual carefully before initial operation!

Unpacking and checking:

Carefully lift the device out of the box by grabbing the housing. After unpacking the device, check it for any visible damage as a result of rough handling during the shipment. Check the delivery for completeness.

If necessary consult the transportation company, or contact WayCon directly for further assistance.

ELECTRICAL CONNECTION



Sensor is to be used as voltage divider, using a maximum cursor current of $I_c \leq 0.1$ μ A (do NOT use the sensor as variable resistance!). Please pay attention to the notes on the last page.

ACCESSORIES

Spare parts

- STA074 bracket for LZW1-S
- SND001 rod end bearing with M4 external thread, housing side for LZW1-A
- SND002 rod end bearing with M4 internal thread, rod side for LZW1-A

PMX-24 Signal Conditioner

- Converts potentiometer signals into analog output signals: 4...20 mA, 0...10 V, 0...5 V, ± 10 V, ± 5 V
- Input: potentiometer 1...20 k Ω
- Configurable output
- DIN-rail-mounting with face-side connector
- For further information please check the PMX-24 data sheet, or contact WayCon



