

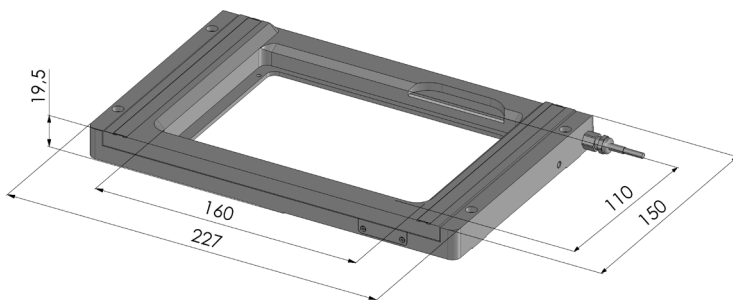


## Piezo Z-Stage 500 µm for Märzhäuser Scanning Stages in the SCAN IM Series

### Specifications

Travel range	500 µm
Resolution	1 nm (smallest step)
Repeatability	±5 nm (unidirectional)
Linearity error	< 0.05 % <sup>1</sup>
Load capacity	1.5 kg
Position sensor	capacitive
Operation mode	closed-loop operation
Interfaces	USB, RS-232, CAN, Trigger In/Out, Analog In (0–10 V DC)
Material	aluminium
Weight	1 kg <sup>2</sup>

### Dimensions



### Order Information

Piezo Z-stage 500 µm  
Order No.: 00-55-600-0801

Controller WSB ZPiezo  
Order No.: 00-55-600-0802

Handwheel WSB ZPiezo  
Order No.: 00-55-600-0810

### Product Features

- compatible with nearly all Märzhäuser scanning stages in the SCAN IM series
- direct connection between Piezo controller and TANGO controllers with AUX I/O interface
- display of the current position on the screen of the handwheel allows stand-alone operation
- dynamic Z-motion with travel ranges up to 500 µm
- highly dynamic scanning sequences can be realized by means of trigger functionality
- weight-independent travel characteristics up to 1.5 kg

### Accessories

Various stage inserts available, e.g. for 1 or 2 slide, 1 Petri dish etc.

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