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Accessories

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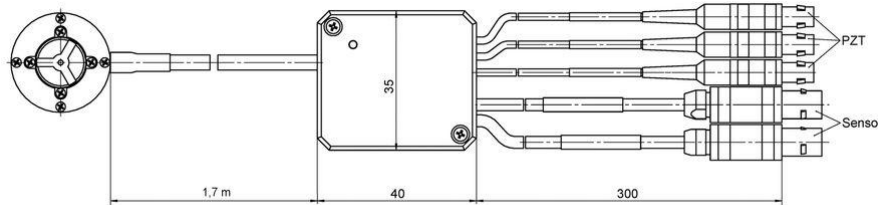
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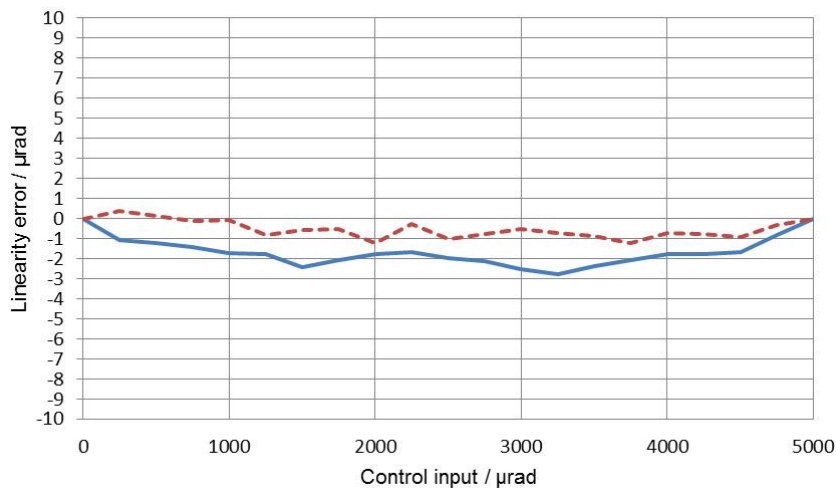
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Drawings / Images

S-331, dimensions in mm

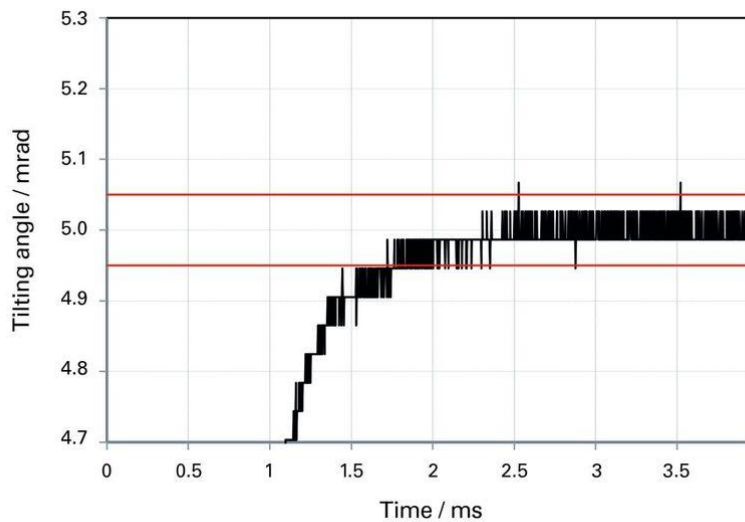
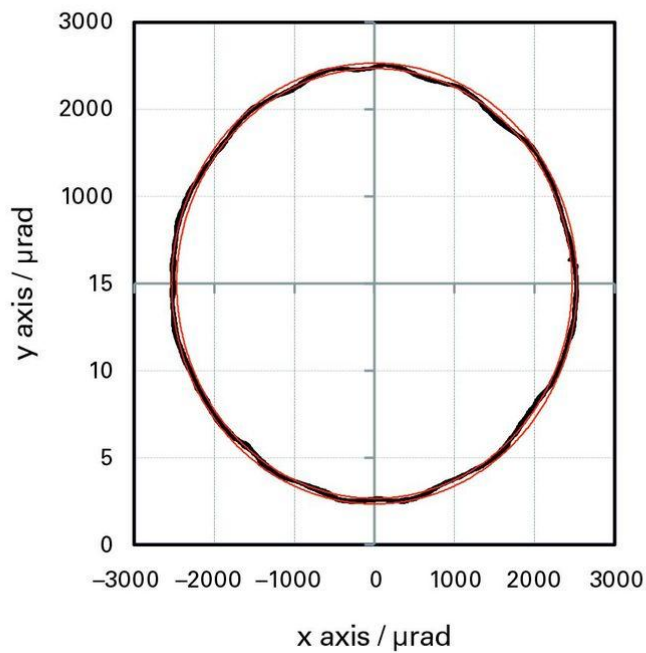


S-331.xSL with cable splitter box, dimensions in mm

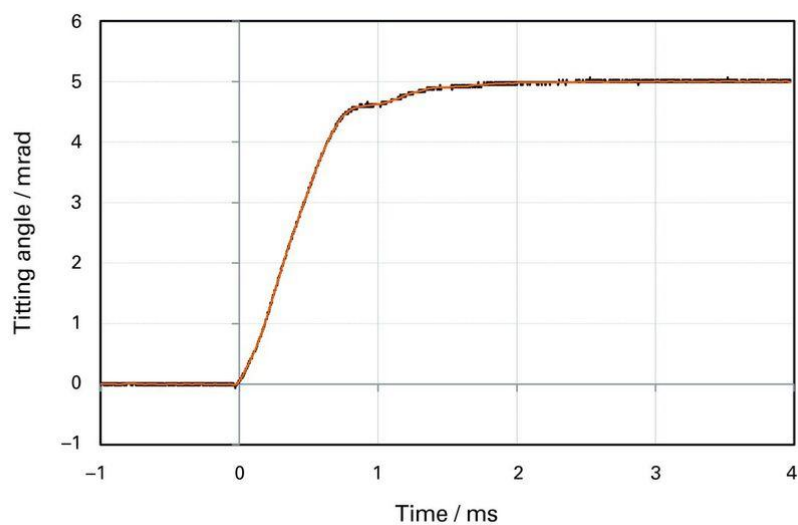


Unidirectional linearity error for both axes:
 The blue, solid line represents axis 1, the brown, dotted line represents axis 2. The linearity error at full displacement of the S-331.5SH with an E-727.3SD digital piezo controller is less than 0.05 %.

High dynamic linearity of a circular motion with 5 mrad displacement per axis (full displacement of the S-311.5SL with E-505 power amplifier and E-509 controller). The linear error on the ideal circular path at a frequency of 25 Hz is approx. 0.5%, which corresponds to 2.5 μ rad.



Settling time of an unloaded S-331.5SL at full displacement with E-505 piezo amplifier and E-509 servo controller: The settling time for a step of 5 mrad is 1.8 ms at accuracy of ± 1 %.



The settling time of the unloaded S-331.5SL for one 5 mrad step (full displacement) is 1.8 ms with an accuracy of $\pm 1\%$.

	Control Voltage	Frequency
S-331.2SL	20 V	2.5 kHz
	50 V	2.5 kHz
	100 V	1.75 kHz
S-331.5SL	20 V	2 kHz
	50 V	2 kHz
	100 V	1.5 kHz

High dynamics are also achieved during continuous operation. For this purpose, these combinations of piezo voltage and frequency are recommended for a single axis.