

Packing list

piezosystem jena GmbH

Confirmation of order no.: 30405 no. of packages / orders contained

Part description	quantity of order	confirmation / quantity of delivery
ENV – system (as in delivery list)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NV40/x	<input type="checkbox"/>	<input type="checkbox"/>
NVCx	<input type="checkbox"/>	<input type="checkbox"/>
actuator boxes (actuators as in delivery list)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
screws, tacks	<input type="checkbox"/>	<input type="checkbox"/>
connection cable for vac. act.	<input type="checkbox"/>	<input type="checkbox"/>
distance sheet	<input type="checkbox"/>	<input type="checkbox"/>
setting instruction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
safety notes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
measurement curves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
user manuals		
ENV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
EDA	<input type="checkbox"/>	<input type="checkbox"/>
UIC	<input type="checkbox"/>	<input type="checkbox"/>
NV40	<input type="checkbox"/>	<input type="checkbox"/>
NVC	<input type="checkbox"/>	<input type="checkbox"/>
waveform	<input type="checkbox"/>	<input type="checkbox"/>
Disk	<input type="checkbox"/>	<input type="checkbox"/>
calibration curves	<input type="checkbox"/>	<input type="checkbox"/>
extension wires (as in delivery list)	<input type="checkbox"/>	<input type="checkbox"/>
pc cable for NV40	<input type="checkbox"/>	<input type="checkbox"/>
power supply wire	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SS

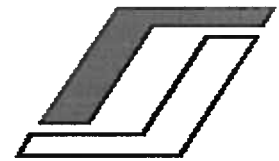
otherwise

Jena, 183 2064

**Please check the contents immediately and give us an information if it is not complete.
Tel +49 3641/66 88 0 Fax +49 3641/66 88 66**

Best regards





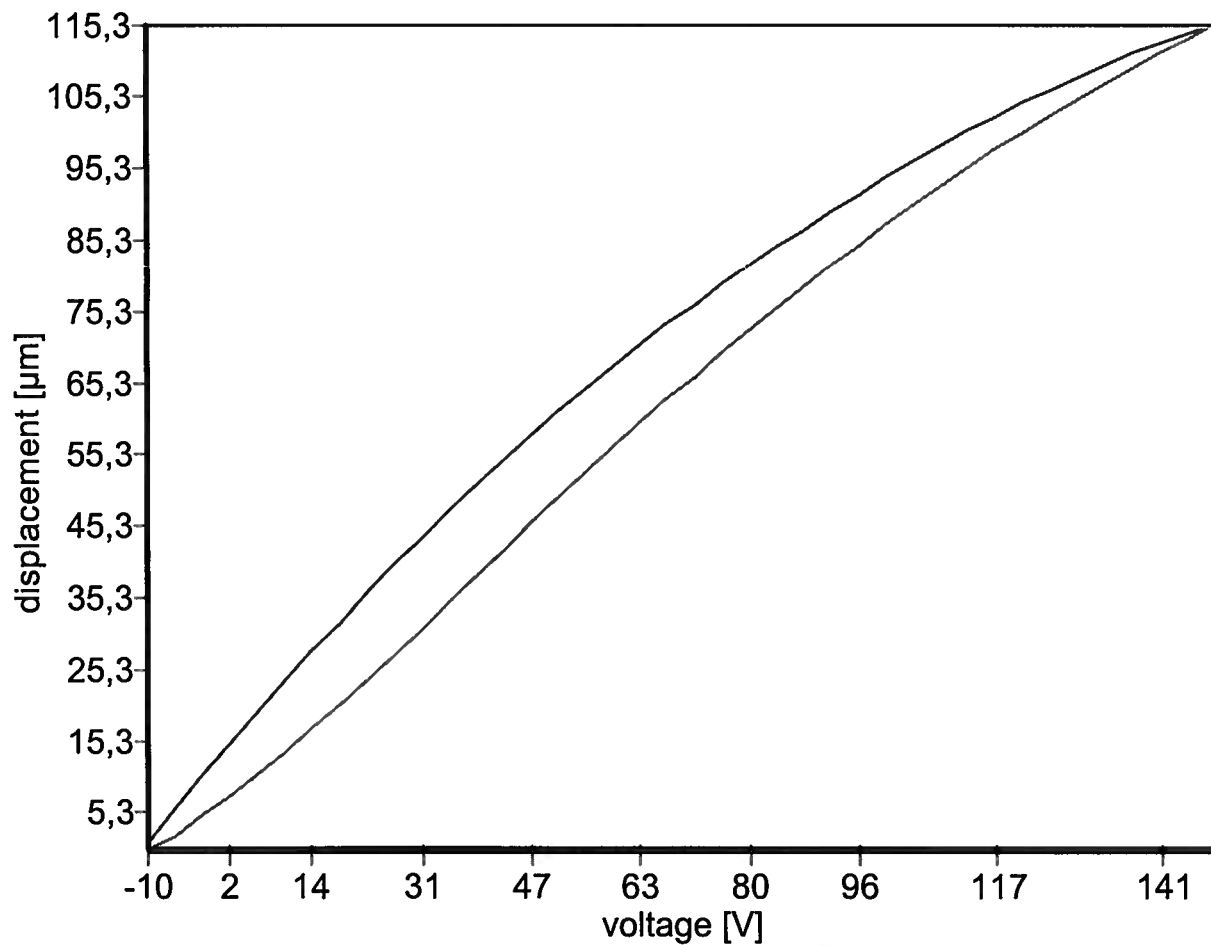
order number: 30405

actuator type: MIPOS100SG

serial number: 73060

nominal capacity: 7,2 μ F

maximum hysteresis: 12,80 μ m



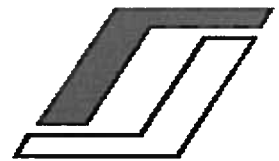
date: 17.03.04

tester: Guido Störzner

sign: 

MA 508 634 6688

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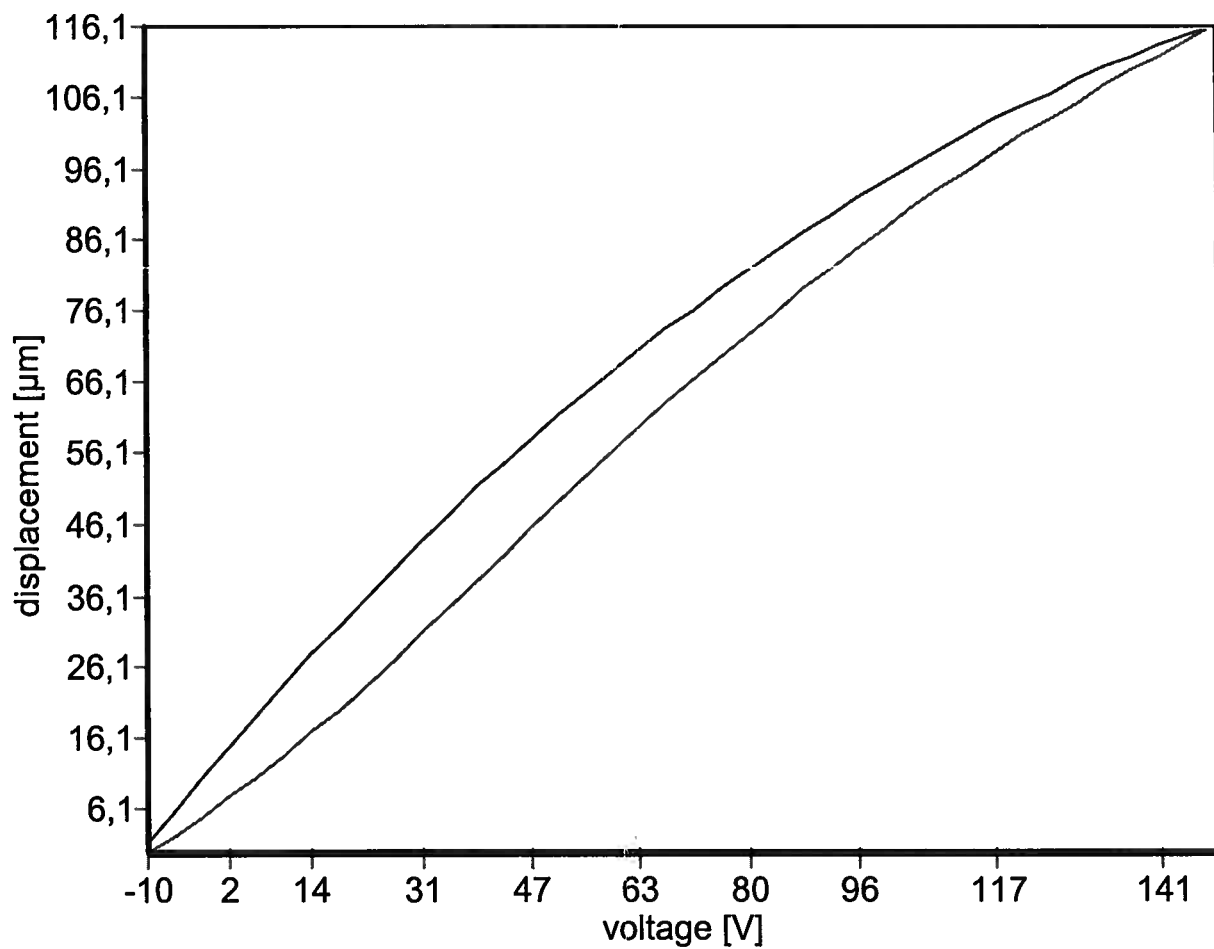
order number: 430340

actuator type: MIPOS3 M25

serial number: 71484

nominal capacity: 7,2 μ F

maximum hysteresis: 12,90 μ m



date: 21.05.03

tester: Guido Störzner

sign: 

30um ($\pm 15\text{um}$) < 50g/100g
 15Hz \rightarrow 20Hz close loop. fine (no hysteresis).
 open loop. 1% hysteresis.

Jim

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17.03.2004

element (ser.nr.): MIPOS 100 SG (73060)
 system (ser.nr.): ENV 40 SG (18294/18295)

tester: M. Franke
 axis: z

closed loop - motion:
 monitor output:

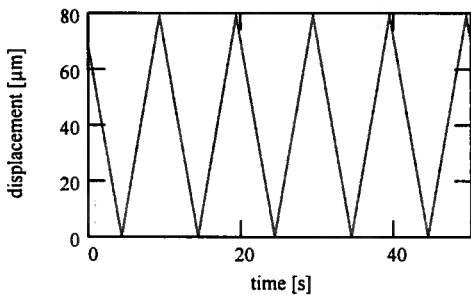
0.0 μm 80.0 μm
 0.018 V 9.964 V

sensitivity = 0.1243 V/ μm
 measurement temperature: 22,3 °C

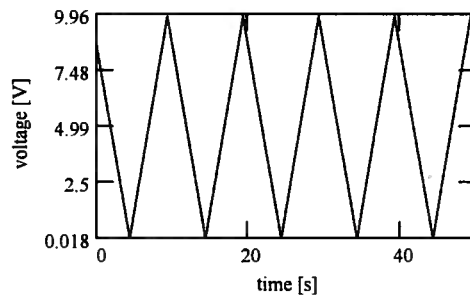
measured with: ZYGO 2/20 interferometer

Linearität; Genauigkeit, Wiederholbarkeit
accuracy, linearity, repeatability
 five measurements, triangle full scale

displacement [μm] Interferometer

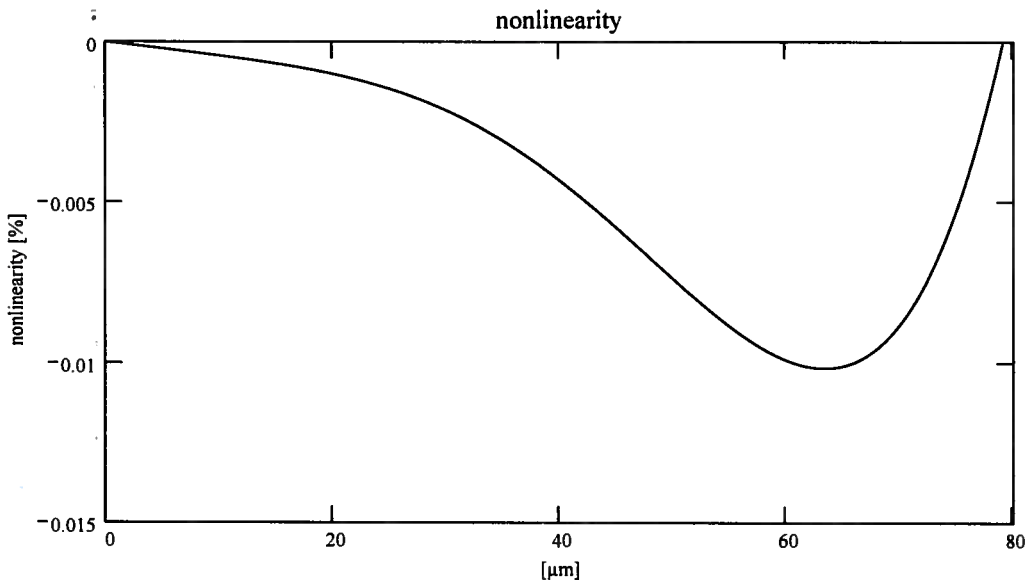


voltage [V] monitor-output



Linearität - linearity

max. nonlinearity : absolut = 8 nm relativ = 0.010%



Wiederholbarkeit - repeatability

R_absolut = 19 nm R_relativ = 0.024%

data file : a473060z.prn

order no. 030405

sign: Frank