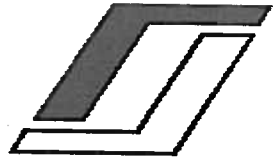


MA 508 634 6688

piezosystem jena



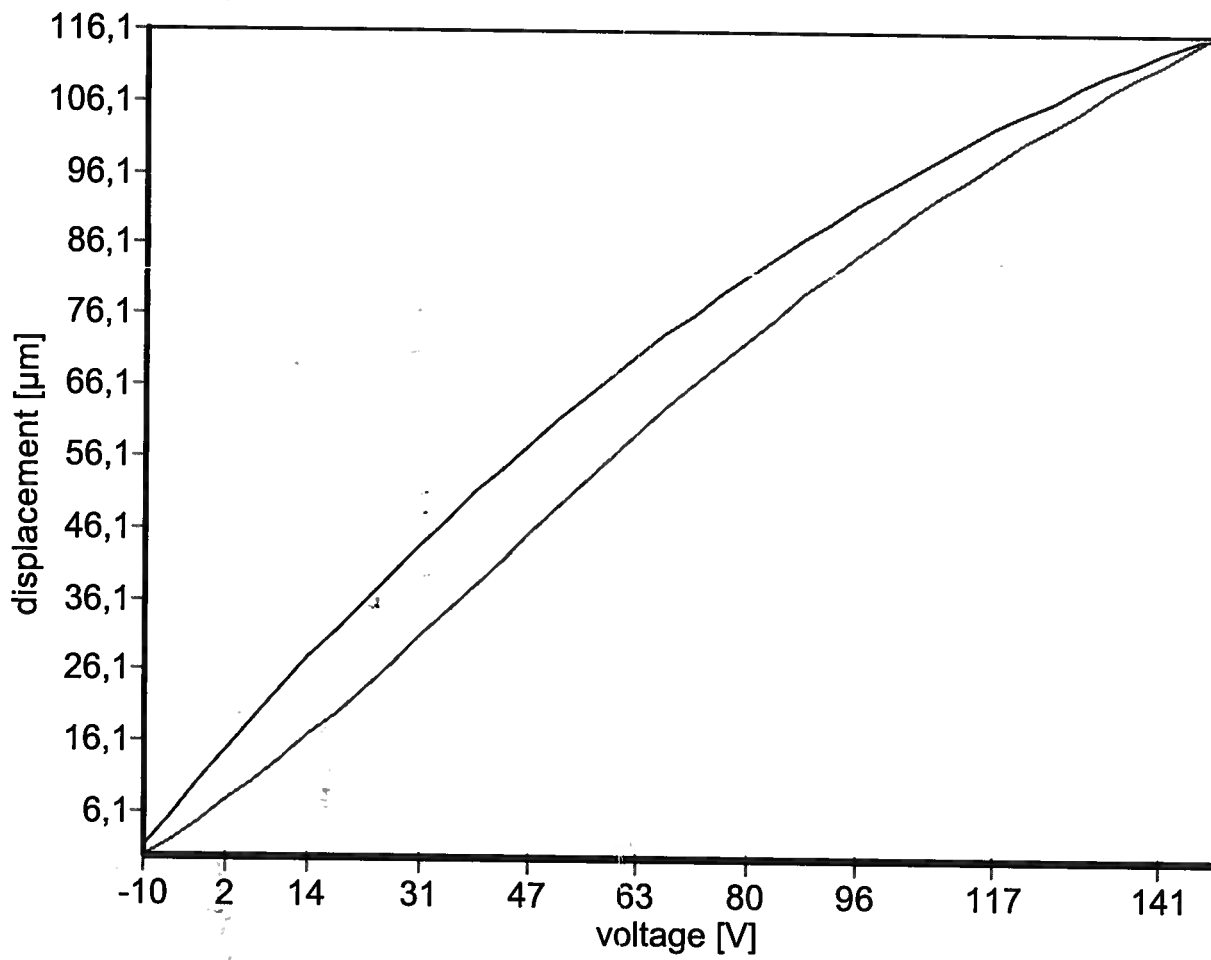
order number: 430340

actuator type: MIPOS3 M25

serial number: 71484

nominal capacity: 7,2 μ F

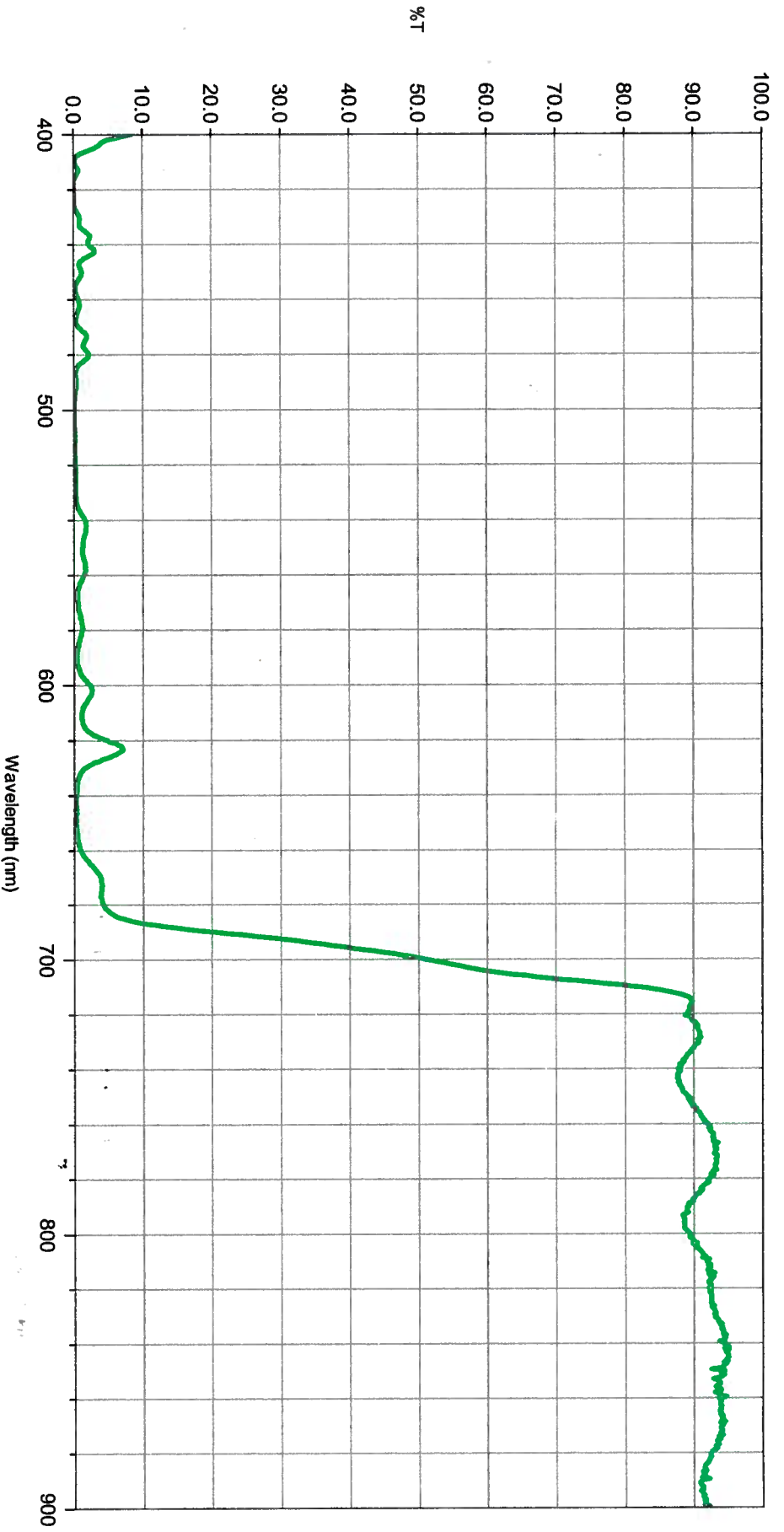
maximum hysteresis: 12,90 μ m



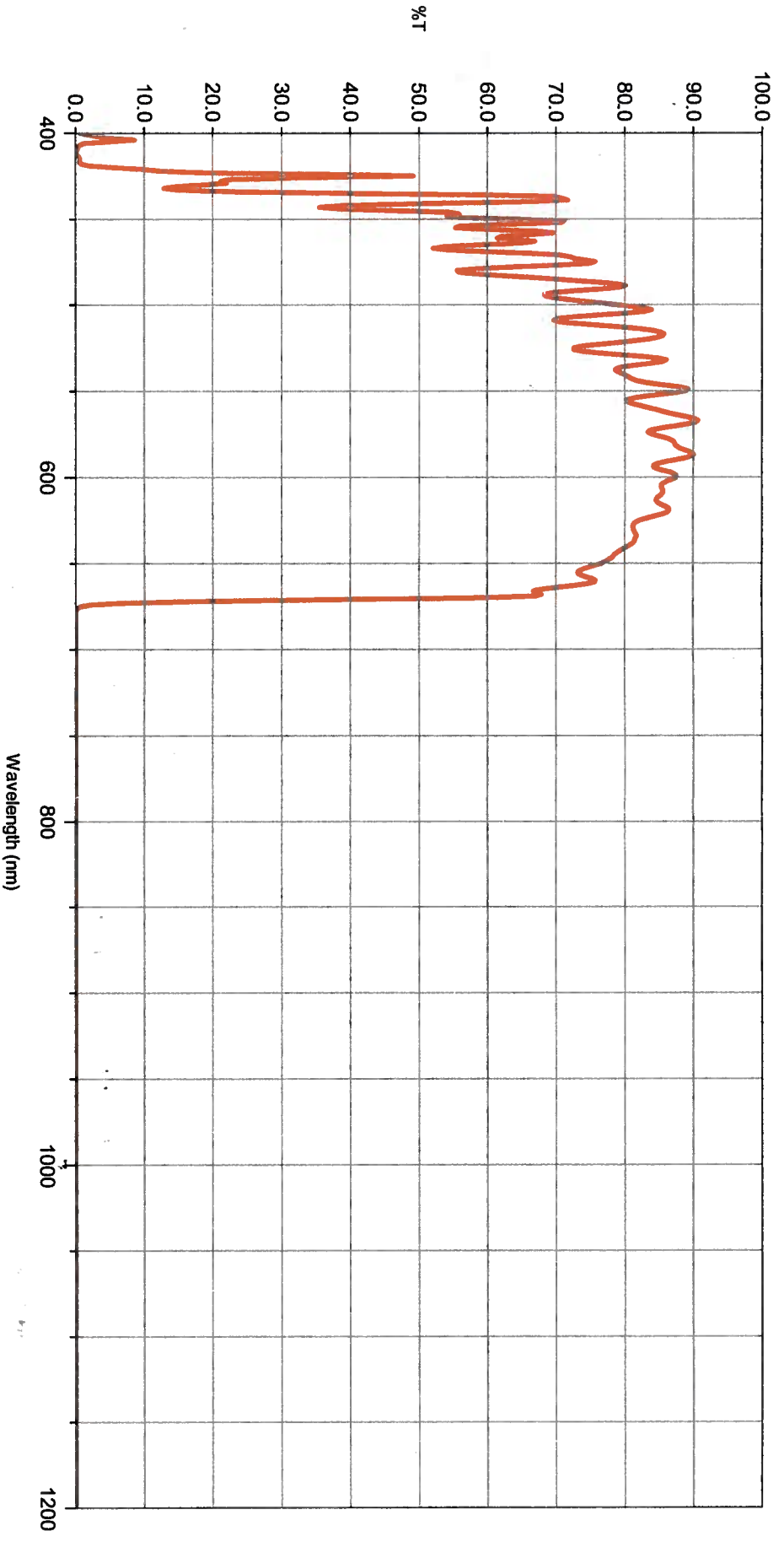
date: 21.05.03

tester: Guido Störzner

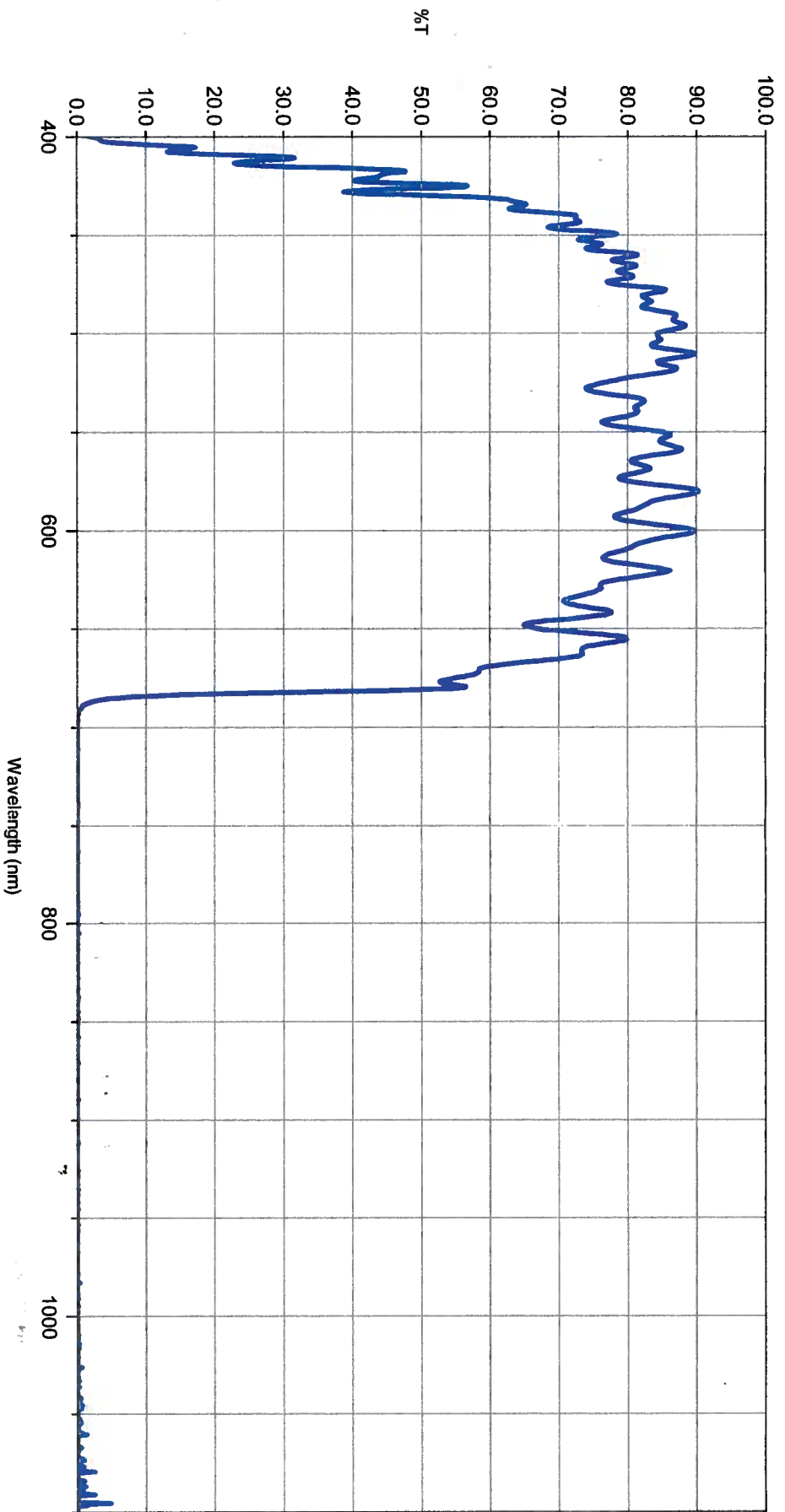
sign: 



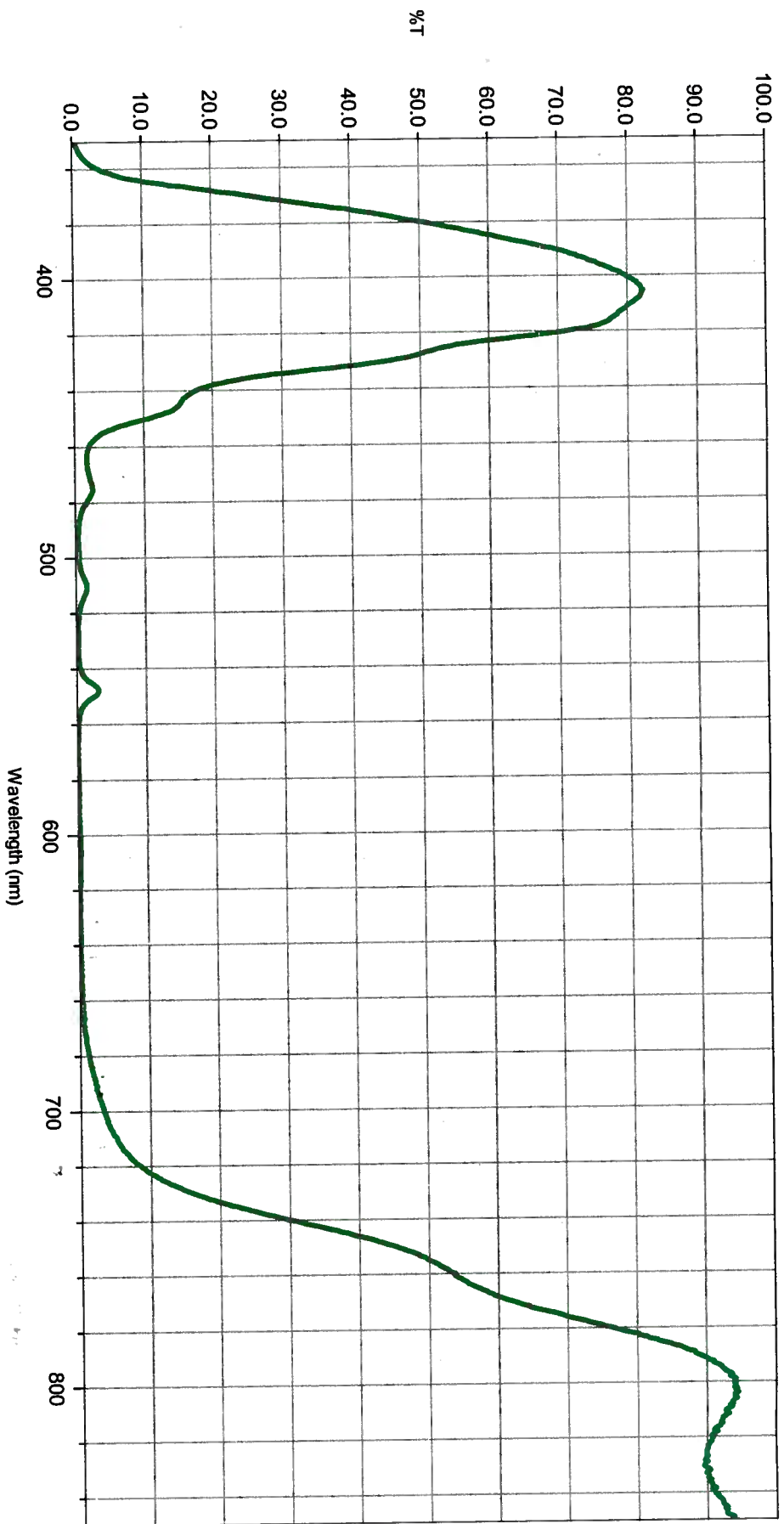
Chroma Technology Corp.
Date: 3/29/2004
Scan range: 400.0 nm to 900.0 nm
700dcxru 105265



Chroma Technology Corp.
Date: 9/2/2005
Scan range: 400.0 nm to 1200.0 nm
E680sp-2p 65073



Chroma Technology Corp.
Date: 3/29/2004
Scan range: 400.0 nm to 1100.0 nm
E680sp 46910a



Chroma Technology Corp.
Date: 7/12/2004
Scan range: 350.0 nm to 850.0 nm
beam splitter: 430dcspx-special 107532

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

Jim

piezosystem jena

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 μ m 80.0 μ m
 0.018 V 9.964 V

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

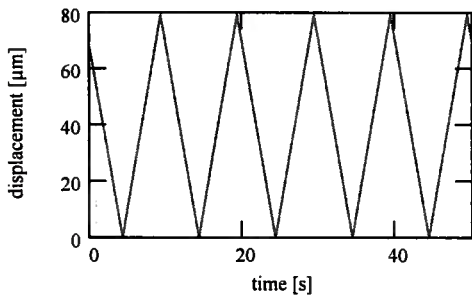
measured with: ZYGO 2/20 interferometer

Linearität; Genauigkeit, Wiederholbarkeit

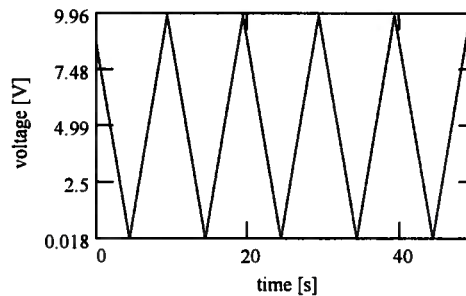
accuracy, linearity, repeatability

five measurements, triangle full scale

displacement [μ m] Interferometer



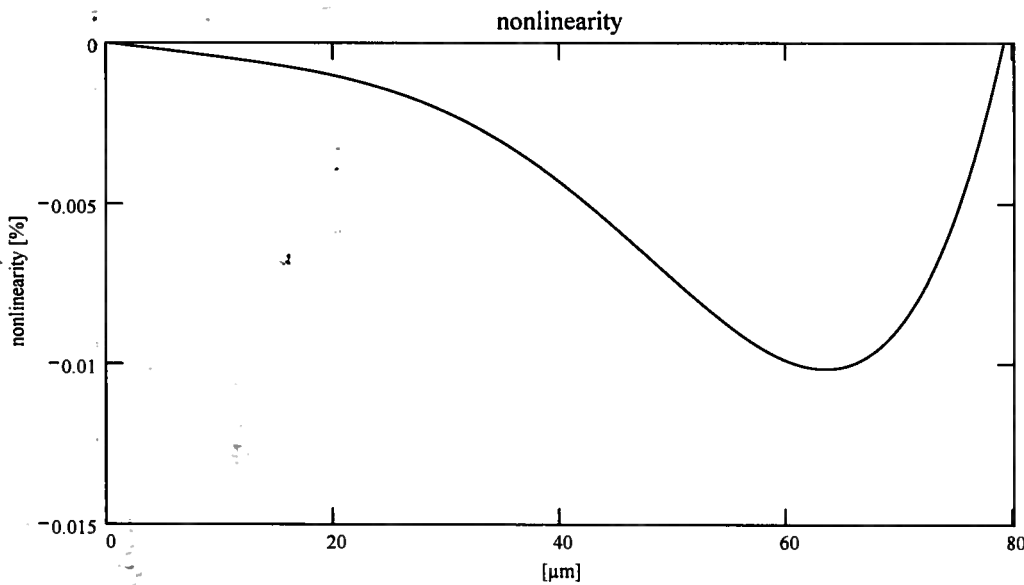
voltage [V] monitor-output



Linearität - linearity

max. nonlinearity : absolut = 8 nm

relativ = 0.010%



Wiederholbarkeit - repeatability

R_absolut = 19 nm

R_relativ = 0.024 %