



The tiltmirror system *asy/kiss/r* is designed to deflect a laser beam in two axes.

It consists of the *ase/pcs/kiss* control electronics and the tilt mirror *asy/tkiss/r*. Also included in the delivery package are a cold device connecting cable and a BNC-SUB-D adapter

cable. A fast piezo drive enables the tilt mirror to quickly deflect and precisely position a laser beam within a specific range.

Dimensions		H = 77.12 mm
		Ø = 22 mm
Resonance frequency		X = 1.05 kHz
		Y = 1.01 kHz
Operating voltage of measuring amplifier		8 VDC
Current consumption		<25 mA
Output voltage for measuring socket	(feedback control) posx	1 V $\hat{=}$ 1.2 °
Deflection angle	(feedback control) posy	1 V $\hat{=}$ 0.7 ° deflection angle
Drive voltages		3 x 0...400 V
Length of connecting cable		1.5 m

max. deflection angle (beam)		with plane mirror	with 45 ° mirror
	controlled	X = $\pm$ 2.71 °	X = $\pm$ 2.71 °
	controlled	Y = $\pm$ 3.34 °	Y = $\pm$ 1.64 °
	with feedback control	X = $\pm$ 1.81 °	X = $\pm$ 1.81 °
	with feedback control	Y = $\pm$ 2.12 °	Y = $\pm$ 1.04 °

#### Technical data for drive

Mains voltage	90 to 264 V AC, 47 to 63 Hz
Connection power	max. 60 VA
Nominal values	0 ... 5 V
Actual values	0 ... 5 V
Output voltage	3 x 0 ... +400 V (drive voltage)
	8 VDC (operating voltage tilt mirror/measuring amplifier)
Dynamics	up to 1 kHz (150 positionings per second, without pause)
Switching times of the drive voltage $t_{on/off}$	max. 3.5 ms (controlled)
	max. 15 ms (with feedback control)
Position monitor outputs	0 ... 5 V
Resolution	1/1000
Operating types	controlled
	with feedback control
Operating temperature	+10 °C to + 35 °C
Size	19" - housing
	28TE/3HE, 250 mm deep
Weight	ca. 2 kg

**We are happy to develop solution-specific variations for our customers.**

Order Number	Release	Description
<i>asy/kiss/r</i>	1.0	Tilt mirror system