

Technical Specifications

				CARBapex
Measuring range	X axis	[mm]		6000
	Y axis			1600
	Z axis			2400
Length measuring accuracy *1 DIN EN ISO 10360-2:2002 with TP2, TP20	Single	[μm] L in [mm]		25 + 28 L / 1000; <= 95
	Dual			50 + 35 L / 1000; <= 120
	MPE 16°C - 26 ⁵ C *1			
Measuring speed		[mm/s]		1 - 5
Drive speed		[mm/s]		max. 519
max. acceleration		[mm/s ²]		1000
Guide method of measuring axes				X linear guidance; Y, Z air bearings
Resolution of length measuring systems		[mm]		0.0001
Max. measuring ranges		X axis	[mm]	18000

*1: Temperature gradients: 1 K / h, 2 K / 24h; vertical 1 K / m, horizontal 1 K / m

Products of this series come equipped with a safety system for the detection of potential function-impairing vibration to the measuring system. Activation of the security system leads to a time-delayed system shut-off. Uninterrupted functioning of the measuring device may be secured with a timely release of the security system by Mitutoyo service personnel.