

# QUICK VISION TP SERIES

Multisensor measuring system



## Features

- › Enhanced performance by adopting a touch trigger probe to a Quick Vision measuring system
- › ELF, APEX, STREAM PLUS and HYPER models available
- › TP20 or TP200 selectable
- › Up to 3 different probe configurations interchangeable when using MCR20 module change rack (option)



## Specification of Quick Vision TP

Quick Vision TP ELF			202
Measuring Range (X x Y x Z)		using one sensor only	250 x 200 x 200 mm
		using both sensors in combination	184 x 200 x 200 mm
Accuracy	Vision	E1 (X,Y)	(2 + 0.003 L) µm
		E1 (Z)	(3 + 0.005 L) µm
	TP	E1 (X, Y, Z)	(2.4 + 0.003 L) µm

Quick Vision TP APEX / STREAM PLUS		302	404	606
Measuring Range (X x Y x Z)	using one sensor only	300 x 200 x 200 mm	400 x 400 x 250 mm	600 x 650 x 250 mm
	using both sensors in combination	234 x 200 x 200 mm	334 x 400 x 250 mm	534 x 650 x 250 mm
Accuracy	Vision	E1 (X,Y)	(1.5 + 0.003 L) µm	
		E1 (Z)	(1.5 + 0.004 L) µm	
		E2 (XY)	(2 + 0.004 L) µm	
	TP	E1 (X, Y, Z)	(1.8 + 0.003 L) µm	

Quick Vision TP HYPER		302	404	606
Measuring Range (X x Y x Z)	using one sensor only	300 x 200 x 200 mm	400 x 400 x 250 mm	600 x 650 x 250 mm
	using both sensors in combination	234 x 200 x 200 mm	334 x 400 x 250 mm	534 x 650 x 250 mm
Accuracy	Vision	E1 (X,Y)	(0.8 + 0.002 L) µm	
		E1 (Z)	(1.5 + 0.002 L) µm	
		E2 (XY)	(1.4 + 0.003 L) µm	
	TP	E1 (X, Y, Z)	(1.7 + 0.003 L) µm	

Note: Measuring accuracy (TP), measuring speed: 3 mm/s, approach distance: More than 3 mm,  
Touch trigger probe used: TP200 or TP20, Stylus used: PS12R (ø 4, L10)  
Measurement accuracy (Vision) using Mitutoyo's inspection method using an objective (QV-HR2.5X or  
QV-SL2.5X) + tube lens 1X.  
"L": Length (in mm)

**PLEASE NOTE:** Products of this series come equipped with a safety system for detecting functionality impairing shocks to the measuring system. Activation of this safety system leads to a delayed shutdown. Without any machine down-time, however, system functions may be fully restored by requesting Mitutoyo service personnel for system clearance.

Coordinate Measuring Machines	
Vision Measuring Systems	
Form Measurement	
Optical Measuring	
Sensor Systems	
Test Equipment and Seismometers	
Digital Scale and DRO Systems	
Small Tool Instruments and Data Management	

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