

# ALTERA<sup>C</sup>

Trustworthy technology  
for precise measurement  
at an affordable price



Model shown: ALTERA C 7.7.5 with swivelling keyboard and monitor arm, on-board controller and PC, PH10M probe head, TP200 performance probe and CAMIO software..

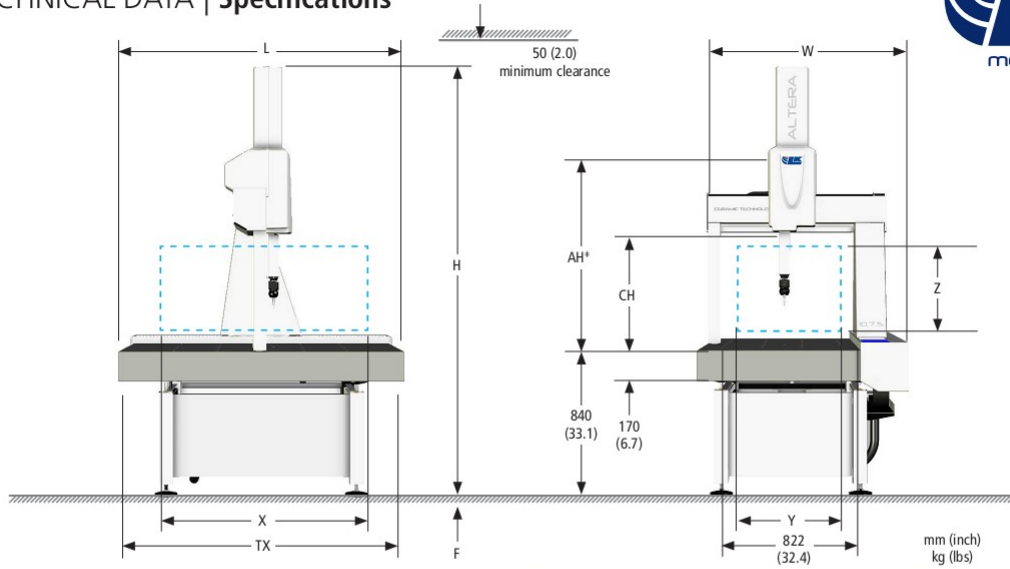
## The compact all-in-one multi-sensor CMM

With superior technology, advanced features and a small footprint, the multi-sensor ALTERA C is ideal for all types of precision measurement in quality labs, production areas and technology centres.

Contact us now to book your demonstration

[www.LKmetrology.com](http://www.LKmetrology.com)

# TECHNICAL DATA | Specifications



	Travels			Overall			Table		Clearance		Floor	CMM
	X	Y	Z	L	W	H	TX	Max. Load <sup>1</sup>	CH	AH	F	Weight
<b>7.7.5</b>	700	650	500	1360	1180	2533	1330	650	688	1335	50	1018
	(28)	(26)	(20)	(53.5)	(46.5)	(99.7)	(52.4)	[1433]	(27.1)	(2943)	(2.0)	[2244]
<b>10.7.5</b>	1000	650	500	1660	1180	2533	1630	700	1688	1335	55	1104
	(39)	(26)	(20)	(65.4)	(46.5)	(99.7)	(64.2)	[1543]	(27.1)	(2943)	(2.2)	[2434]
<b>10.7.7</b>	1000	650	650	1660	1180	2833	1630	700	838	1485	55	1114
	(39)	(26)	(26)	(65.4)	(46.5)	(111.5)	(64.2)	[1543]	(33.0)	(3274)	(2.2)	[2456]

Maximum table loading only permissible with workpiece positioned inside area defined by table support centers.

## Probe Heads

	MH20i	RTP20	PH10T PLUS	PH10M PLUS	PH20
Head type	Manual head	Automatic head	Indexing head	Indexing head	5-axis head
Head positions	168	168	720	720	Infinite
Angular tilt (A)	0° to +90° 15° steps	0° to +90° 15° steps	0° to +105° 7.5° steps	0° to +105° 7.5° steps	±115°
Angular rotation (B)	0° to ±180° 15° steps	0° to ±180° 15° steps	0° to ±180° 7.5° steps	0° to ±180° 7.5° steps	Continuous

## Touch Probe Accuracy

	TP20 PH10T/M PLUS MH20i/RTP20	TP200 PH10T/M PLUS	SP25M PH10M PLUS	PH20	
Length measurement at 18°C to 22°C	EO MPE E150 MPE	2.5+L/333	2.2+L/333	2.2+L/333	3.0+L/333
Probing accuracy	from PFTU MPE from MPE T <sub>ij</sub> time IMPT t	2.5	2.2	2.2	2.5
Repeatability	RO MPL	1.5	1.5	1.5	2.0

## Dynamics

Acceleration	1500 mm/sec <sup>2</sup>
Velocity	500 mm/sec

...we are metrology

[www.LKmetrology.com](http://www.LKmetrology.com)

Copyright © 2019 LK Metrology. All Rights Reserved.

ALTERA C Flyer (September 2019)