



TECHNICAL SPECIFICATIONS		C-TRACK 380	C-TRACK 780	C-TRACK 1480	HANDY PROBE
ACCURACY ⁽¹⁾		Up to 0.022 mm (0.0009 in.)	Up to 0.025 mm (0.0010 in.)	Up to 0.030 mm (0.0012 in.)	n/a
SINGLE POINT REPEATABILITY ⁽³⁾	3.80 m ³ (135 ft ³)	0.045 mm ⁽²⁾ (0.0018 in.)	0.050 mm ⁽⁵⁾ (0.0020 in.)	0.055 mm ⁽⁵⁾ (0.0022 in.)	n/a
	7.80 m ³ (275 ft ³)	n/a	0.055 mm ⁽²⁾ (0.0022 in.)	0.065 mm ⁽⁵⁾ (0.0026 in.)	n/a
	14.8 m ³ (525 ft ³)	n/a	n/a	0.095 mm ⁽²⁾ (0.0037 in.)	n/a
VOLUMETRIC ACCURACY ⁽⁴⁾	3.80 m ³ (135 ft ³)	0.075 mm ⁽²⁾ (0.0029 in.)	0.080 mm ⁽⁵⁾ (0.0031 in.)	0.090 mm ⁽⁵⁾ (0.0035 in.)	n/a
	7.80 m ³ (275 ft ³)	n/a	0.085 mm ⁽²⁾ (0.0033 in.)	0.095 mm ⁽⁵⁾ (0.0038 in.)	n/a
	14.8 m ³ (525 ft ³)	n/a	n/a	0.170 mm ⁽²⁾ (0.0067 in.)	n/a
VOLUMETRIC ACCURACY (WITH MAXSHOT 3D)		0.075 mm if L ⁽⁶⁾ ≤ 1.2 m (0.0029 in. if L ⁽⁶⁾ ≤ 4 ft)	0.085 mm if L ≤ 1.2 m (0.0033 in. if L ≤ 4 ft)	0.170 mm if L ≤ 3.0 m (0.0067 in. if L ≤ 4 ft)	n/a
		0.045 mm + 0.025 mm/m if L > 1.2 m (0.0018 in. + 0.0003 in./ft if L > 4 ft)	0.055 mm + 0.025 mm/m if L > 1.2 m (0.0022 in. + 0.0003 in./ft if L > 4 ft)	0.095 + 0.025 mm/m if L > 3.0 m (0.0037 in. + 0.0003 in./ft if L > 4 ft)	n/a
MEASUREMENT SPEED		30 Hz	30 Hz	30 Hz	30 Hz
WEIGHT		4.9 kg (10.8 lbs.)	4.9 kg (10.8 lbs.)	4.9 kg (10.8 lbs.)	450 g (1 lb.)
DIMENSIONS		1035 x 169 x 140 mm (40.8 x 6.6 x 5.5 in.)	1035 x 169 x 140 mm (40.8 x 6.6 x 5.5 in.)	1035 x 169 x 140 mm (40.8 x 6.6 x 5.5 in.)	204 x 159 x 97 mm (8 x 6.26 x 3.8 in.)
OPERATING TEMPERATURE RANGE		15 - 40 °C (59-104 °F)	15 - 40 °C (59-104 °F)	15 - 40 °C (59-104 °F)	15 - 40 °C (59-104 °F)
OPERATING HUMIDITY RANGE (NON CONDENSING)		10 - 90%	10 - 90%	10 - 90%	10 - 90%
CERTIFICATIONS		EN 301 489-1, EN 301 489-3, EN 300 220-1	EN 301 489-1, EN 301 489-3, EN 300 220-1	EN 301 489-1, EN 301 489-3, EN 300 220-1	EN 301 489-1, EN 301 489-3, EN 300 220-1

⁽¹⁾ Volumetric accuracy using dynamic referencing mode and a 500 mm artefact.

⁽²⁾ Each system tested according to test methods given in the ASME B89.4.22 standard.

⁽³⁾ Single point repeatability: The probe of the HandyPROBE is located within a conical socket. Individual points are measured from multiple approach directions. Each individual point measurement is analyzed as a range of deviations in X, Y, Z (range/2).

⁽⁴⁾ Volumetric accuracy: Performance is assessed by measuring traceable length artifacts in different locations and with different orientations within the working volume of the HandyPROBE (maximum range/2).

⁽⁵⁾ Typical value.

⁽⁶⁾ "L" being the size of the object measured.