



## ROMER Absolute Arm. Specifications.

### 6-Axis Probing Specifications – 73 series

Model	Measuring Range	Point Repeatability <sup>1</sup>	Volumetric Accuracy <sup>2</sup>	Arm Weights
7315	1.5 m / 4.9 ft.	± 0.025 mm / 0.0010 in.	± 0.037 mm / 0.0015 in.	7.1 kg / 15.6 lbs
7320	2.0 m / 6.6 ft.	± 0.030 mm / 0.0012 in.	± 0.042 mm / 0.0017 in.	7.4 kg / 16.3 lbs
7325	2.5 m / 8.2 ft.	± 0.038 mm / 0.0015 in.	± 0.051 mm / 0.0020 in.	7.7 kg / 17.0 lbs
7330	3.0 m / 9.8 ft.	± 0.065 mm / 0.0026 in.	± 0.095 mm / 0.0037 in.	8.0 kg / 17.6 lbs
7335	3.5 m / 11.5 ft.	± 0.095 mm / 0.0037 in.	± 0.130 mm / 0.0051 in.	8.3 kg / 18.3 lbs
7340	4.0 m / 13.1 ft.	± 0.120 mm / 0.0047 in.	± 0.149 mm / 0.0059 in.	8.6 kg / 19.0 lbs
7345	4.5 m / 14.8 ft.	± 0.150 mm / 0.0059 in.	± 0.170 mm / 0.0067 in.	8.9 kg / 19.6 lbs

### 6-Axis Probing Specifications – 75 series

7520	2.0 m / 6.6 ft.	± 0.016 mm / 0.0006 in.	± 0.023 mm / 0.0009 in.	7.7 kg / 17.0 lbs
7525	2.5 m / 8.2 ft.	± 0.020 mm / 0.0008 in.	± 0.029 mm / 0.0011 in.	8.0 kg / 17.6 lbs
7530	3.0 m / 9.8 ft.	± 0.033 mm / 0.0013 in.	± 0.049 mm / 0.0019 in.	8.3 kg / 18.3 lbs
7535	3.5 m / 11.5 ft.	± 0.043 mm / 0.0017 in.	± 0.061 mm / 0.0024 in.	8.6 kg / 19.0 lbs
7540	4.0 m / 13.1 ft.	± 0.061 mm / 0.0024 in.	± 0.075 mm / 0.0030 in.	8.9 kg / 19.6 lbs
7545	4.5 m / 14.8 ft.	± 0.070 mm / 0.0028 in.	± 0.082 mm / 0.0032 in.	9.2 kg / 20.3 lbs

All specifications according to B89.4.22 and VDI/VDE 2617-9.

<sup>1</sup> The **Point Repeatability Test** is the reference test to determine measurement arm repeatability with ball probe. The cone is in front of the machine. Points are measured from multiple approach directions. The average point and the deviation of each point to the average center are calculated. The result is the maximum range divided by two.

<sup>2</sup> The **Volumetric Accuracy Test** most accurately represents the reasonable expectations for machine performance in practical measuring applications since it involves measuring a certified length standard many times in several locations and orientations and compares the resultant measurements to the actual length. The Volumetric Length Accuracy Test is the most appropriate test for determining machine accuracy and repeatability. The result is the maximum deviation of the measuring distance less the theoretical length.

#### Ambient conditions

Working temperature: 0°C – 50°C (32°F – 122°F)  
 Storage temperature: -30° – 70° C (-22°F – 158°F)  
 Relative humidity: 10% – 90% non-condensing  
 Operational elevation: 0 – 2000 m (0 – 6600 ft)

#### Marks of conformity

CE Compliance: Yes

#### Power requirement

Universal worldwide voltage 110V – 240V