



ROMER Absolute Arm. Laser scanners.

Scanning Sensor Specifications		
	Integrated scanner RS1	External scanner Hexagon CMS 108
Max. Point acquisition rate	30'000 Points/s	30'000 Points/s
Points per Line	1000	2000
Line Rate	30 Hz	53 Hz
Line width	65 mm	120 mm / 60mm / 25 mm
Stand off	150mm ± 50 mm	170mm ± 40 mm
Point spacing (min)	0.046 mm	0.025 mm
Laser power control	Semi-automatic – per line	Fully automatic – per point
Accuracy (2 sigma) ⁵	30 µm	20 µm
Weight	340 g	398 g
Controller	No	Yes
Laser Safety	Class 2M	Class 2
Working temperature	5°C – 40°C (41°F – 104°F)	10°C – 42°C (50°F – 108°F)

⁵The **sensor accuracy** is defined as the excursion of the XY location of a calibration artefact through the measuring range of the sensor.