

MAPTEK™ I-Site™ 8200

TECHNICAL SPECIFICATIONS

Versatile system for fast, accurate results.

Survey stopes > Measure voids > Safe underground survey



GENERAL

Size	415mm x 216mm x 378mm (h x d x w)
Weight	11.9kg, without battery
Battery (internal)	Interchangeable, Li-ion 2.5 hours operation
Levelling	20" (internal compensator)
Constant operating temp.	0 to +50°C (short exposure* -40° to +50°C)
Storage temperature	-40° to +70°C
Compass [†]	±1°
Internal GPS	L1 (low accuracy)
Reliability	ISO 9022
Protection class	IP-65 (IEC 60529)
Data recorder	Onboard USB plus wireless ruggedised tablet controller
Mounting	Standard tribrach mount
GPS mount	External 5/8" UNC thread
Carry case	Customised case

SCANNER

Maximum range [†]	200m
Minimum range	1m
Range accuracy [‡]	8mm
Repeatability [‡]	±8mm
Exit aperture	<8mm
Beam divergence	0.25mrad (1/e ² radius)
Acquisition rate	40kHz
Product laser class	Class 1 IEC60825-1:2007
Wavelength	Near IR
Intensity measurement	Yes
Angular step selectable	0.2° to 0.05°
Angular scanning range	125° vertical, 360° horizontal
Laser pointer	650nm red laser (Class 1)

* Time to perform a 20-minute scan. Contact Maptek for further information when operating at temperatures below -20°C.

[†] Assumes no metallic objects or magnetic field interference.

[‡] Under normal operating conditions. Based on returns from flat targets normal to the beam assuming target area exceeding spot size. Atmospheric and light conditions will affect the maximum range.

* Under Maptek test conditions.

Information subject to change