

Singular XYZ®

CLE Cape Laboratory Equipment (Pty) Ltd

Your Partner in Precision

KEY FEATURES

STRONG GNSS
1408 channels with full-constellation support for reliable, accurate positioning.

SMART & CONNECTED
NFC quick connection, web UI management and support for cloud services.

FULL-FEATURED DESIGN
1.1" OLED color screen, 4G, Bluetooth, NFC, WiFi and UHF radio built-in.

60° IMU TILT COMPENSATION
Measure accurately up to 60° tilt without levelling.

LONG BATTERY LIFE
Up to 15 hours of continuous work on a single charge.

IP68 PROTECTION
Dustproof & waterproof to perform in harsh conditions.



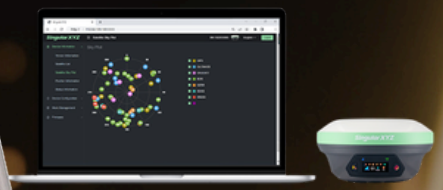
X1 PRO GNSS ROVER

HD COLOR SCREEN, MEETS ALL YOUR NEEDS

The X1 Pro GNSS Receiver delivers high accuracy, reliability and efficiency for all your surveying needs. Compact, rugged and packed with advanced technology to help you work smarter and faster in any environment.

Accuracy in your palm. Professional Performance.

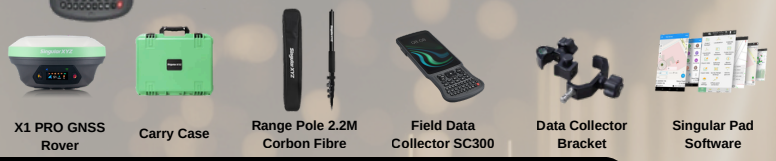




TECHNICAL SPECIFICATIONS

Category	Item	Specification
SATELLITES TRACKING	1. Channels	1408
	2. GPS	L1C/A, L1C, L2P, L2C, L5
	3. BDS	B1I, B2I, B3I, B1C, B2a, B2b
	4. SBAS	WAAS, EGNOS, MSAS, GAGAN, SDCM
	5. Galileo	E1, E5a, E5b, E6
	6. QZSS	L1C/A, L1C, L2C, L5
	7. NavIC	L5
	8. GLONASS	G1, G2, G3
	9. L-band	Support
ACCURACY	1. Static	1.5 m Horizontal
	2. RTK	2.5 cm Horizontal
	3. DGPS	0.4 m Horizontal
	4. Post Processing	3.5 mm + 0.5 ppm Horizontal
	5. RTK Initialization	< 10 s
	6. Time Accuracy	20 ns
	7. Tilt Surveying	< 2.5 cm, within 60° tilt
DATA FORMAT	1. Data Output Format	NMEA-0183, PJK
	2. Data Update Rate	1–50 Hz Adjustable
	3. Data Storage	Built-in 8 GB Memory
	4. Static Data Format	SFR, Rinex 2.01/3.02
	5. Supported Protocols	NTRIP Client, NTRIP Server, NTRIP Caster, TCP
USER INTERACTION	• Indicators	• 4 LEDs indicating battery/charging, satellite tracking, console data transmission, and 4G data communication
	• Display	• 1.1" OLED Display
	• Button	• 1 button for power and function
	• WebUI	• Accessible via Wi-Fi. Supports configuration, status viewing, data storage and system upgrade
ELECTRICAL	1. Power Consumption	2.3 W
	2. Input Voltage	DC 9 ~ 28V
	3. Battery	7.2V (min.), over 6700mAh
	4. Battery Life	>15 hours of base/rover operation
PHYSICAL	1. Size	Φ133.5 × 67 mm
	2. Weight	870 g
	3. Storage	8GB
	4. Housing Material	Magnesium-aluminium alloy
	5. Speaker (Optional)	Voice broadcast of receiver status
ENVIRONMENTAL	1. Working Temperature	-40°C to +65°C
	2. Storage Temperature	-40°C to +85°C
	3. Humidity	100% Non-condensing
	4. Waterproof & Dustproof	IP68
	5. Drop Resistance	Survives 2 m pole drop
COMMUNICATION	• 4G Modem	• FDD-LTE: B1 / B3 / B5 / B7 / B8 / B20 • TDD-LTE: B38 / B39 / B40 / B41 • TD-SCDMA: B34 / B39 • WCDMA: B1 / B8 • GSM: 850 / 900 / 1800 / 1900 MHz
	• GPS Receiver Tracking Supports:	• GPS: L1C/A, L2C • GLONASS: L1, L2 • BeiDou: B1I, B2I
ENVIRONMENTAL & INTERFACES	1. Bluetooth	BT 4.2 Dual Mode
	2. NFC	NFC Connection Supported
	3. WiFi	802.11 a/b/g/n/ac
	• 1 × 5-pin Lemo port for RS232 transmission and power supply • 1 × SIM card slot for 4G • 1 × TNC connector for UHF antenna	

COMPLETE SCANNING PACKAGE



X1 PRO GNSS Rover | Carry Case | Range Pole 2.2M Corbon Fibre | Field Data Collector SC300 | Data Collector Bracket | Singular Pad Software

COMPLETE PACKAGE PRICE

R54,995 EXCL. VAT

PROFESSIONAL PERFORMANCE. EXCEPTIONAL VALUE.

ADVANCED SURVEYING SIMPLIFIED

LOCAL TRAINING
- HANDS-ON TRAINING FOR YOUR TEAM

CALIBRATION SUPPORT
- KEEP YOUR EQUIPMENT PERFORMING AT ITS BEST

LOCAL SUPPORT
- FAST, RELIABLE SUPPORT WHEN YOU NEED IT

WARRANTY
- 12 MONTHS WARRANTY





TOPOGRAPHIC SURVEYING
Topographic Surveys

CONSTRUCTION
Construction Layout & Stakeout

ENGINEERING SURVEYING
Construction Layout & Stakeout

BOUNDARY SURVEYING
Boundary & Cadastral Surveys

GIS DATA COLLECTION
GIS Data Collection & Asset Mapping

3D MAPPING & MODELING
3D Mapping & Digital Terrain Modeling

CLE CAPE LABORATORY EQUIPMENT

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