Technical data

General	
Rangefinder	TERRAPIN X
Order No.	914734
Scope of Delivery	TERRAPIN X, User manual (multilingual), Quick start guide, Neckstrap, Transport bag, Lens tissue, Battery coin, Battery

Optics	
Observation	monocular
Magnification	8×
Field of view	5.8° / 103 mil
Objective diameter	28 mm
Exit pupil	3.5 mm
Focus	fixed
Reticle	Electronic aiming mark
Eye-relief	15 mm
Dioptric setting	±3 diopters
Twilight factor	15

Communication Interface	
Wireless	Bluetooth® 4.1 LowEnergy

Rangefinder	
Laser type	905 nm, class 1 eye-safe per IEC 60825-1 Ed 3.0
Range capability	20 m to 3,000 m
Specified performance	2,000 m at 2.4 m × 2.2 m target visibility: 30 km, albedo: 0.6 detection probalitiy >90 %
Scanning mode	yes
Accuracy (1σ)	±2 m at 20 m to 1,000 m ±3 m at 1,000 m to 2,000 m ±5 m at beyond 2,000 m
False alarm rate	<2 %
Resolution on display	1 m / 1 yd
Time per measurement	<0.5 sec
Repetition rate	2 Hz
Beam divergence, typical	1.2 mil × 0.5 mil

Digital magnetic compass	
Units	360°
Resolution on display	1°
Azimuth accuracy	10°
Inclination accuracy	±1° (range of ±30°) ±2° (range of >±30°)
Maximum inclination	±1000 mil /±60°
Declination, adjustable	±179°

Display	
Type	light emitting diodes (LED) w/ automatic brightness control 4 digits with 7 segments 1 symbol block
Data displayed	slope distance, equivalent horizontal range, elevation, azimuth

Power supply	
Standard, on-board	3V lithium battery (1 pcs)
Battery capacity (20° C)	>4,000 measurements

Environmental	
Waterproof	1 m, 30 min
Operational temperature	–20° C to +55° C / –68° F to +131° F
Storage temperature	–40° C to +85° C / –104° F to +185° F
Shock	100 g / 6 ms according to ISO 9022-30-7-1
Vibration	2 g; 10 Hz to 2,000 Hz according to ISO 9022-36-4-1

Physical	
Housing	glassfibre reinforced RYTON® plastics with elastomere protection
Colour	tac-grey
Tripod	¼"–20 UNC standard tripod interface
Dimensions	136 mm × 118 mm × 48 mm
Weight	<390 g

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