

# TERRAPIN X



## Technical data

### General

Rangefinder	TERRAPIN X
Order No.	914 734
Scope of Delivery	TERRAPIN X, user manual (multilingual), quick start guide, neckstrap, 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
Dioptic setting	±3 diopters
Twilight factor	15

### Communication Interface

Wireless	Bluetooth® 4.1 LowEnergy
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### Rangefinder

Laser type	905 nm, class 1 eye-safe per IEC 60825-1 Ed 3.0
Range capability	20 m to 3000 m
Specified performance	2000 m on 2.4 m × 2.2 m target visibility: 30 km, albedo: 0.6 detection probability >90 %
Scanning mode	yes
Accuracy (1σ)	±2 m at 20 m to 1000 m ±3 m at 1000 m to 2000 m ±5 m beyond 2000 m
False alarm rate	<2 %
Resolution on display	1 m / 1 yd
Time per measurement	<0.5 sec
Repetition rate	1.4 Hz
Beam divergence, typical	1.2 mil × 0.5 mil

### Digital magnetic compass

Units	360°
Resolution on display	1°
Azimuth accuracy (1σ)	10°
Inclination accuracy (1σ)	±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	1 × 3V lithium battery (CR123A)
Battery capacity (20°C)	>4 000 measurements

### Environmental

Protection class	IP67 (waterproof 1m, 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 500 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