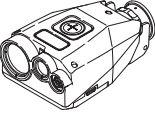
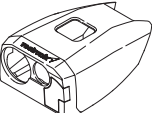




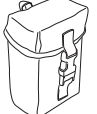

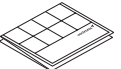

# PLRF25C BT X2

## POCKET LASER RANGEFINDER




### PLRF25C BT X2

Description	Article No.
 PLRF25C BT X2 with distance, azimuth and elevation measurement, data interface, integrated bluetooth and accessories	914 304
PLRF25C BT X2 10m submersible same configuration as 914 304	914 318
 Rubber cover selection of (1x)	
Rubber cover, black	909 394
Rubber cover, green	910 389
Rubber cover, desert tan	910 390

### BASIC EQUIPMENT

Description	Article No.
 Neck strap	909 486
 SEB51 Lithium battery, 3V, CR123A (1x)	667 002
 Pouch, selection of	
Pouch, black	909 492
Pouch, green	910 548
Pouch, desert tan	910 547
 User manual, selection of:	
User manual, English	914 305
User manual, German	tbd
User manual, Spanish	tbd
User manual, French	tbd
 Short instruction	914 306
 Microfibre lens cloth	906 430

### SPARE ITEMS

Description	Article No.
 Eyecup	909 211
 Battery case cover	909 356
 Interface protection cap, black	910 693
Label short instruction	914 336

### ACCESSORIES

Description	Article No.
Objective protection cap	909 490
Objective protection cap, antireflex	909 491
Night Vision Adapter PLRF25C-AN/PVS14	909 487
Night Vision Adapter PLRF25C-AN/PVS18	909 488
SVP374 Pouch for PLRF25C and Night Vision Adapter, black	911 122
SVP379 Pouch for PLRF25C and Night Vision Adapter, desert tan	912 286
SVP325 Transport case, black	906 311

### DATA CABLES AND BLUETOOTH ADAPTER

Description	Article No.
SEV113 PC Data cable USB to RS232 (5-pin Lemo)	910 555
SEV143 PC Data cable USB to RS232 with trigger (5-pin Lemo)	913 813
SEV48 PC Data cable RS232 (5-pin Lemo)	706 271
SEV78 PC Data cable RS232 with trigger (5-pin Lemo)	901 854
SEV63 PLGR/DAGR Data cable (5-pin Lemo) <sup>1)</sup>	721 951
SEV74 PLGR/DAGR Data Cable with trigger (5-pin Lemo) <sup>1)</sup>	901 602
BAL Bluetooth Adapter (5-pin Lemo)	914 384

### SOFTWARE OPTIONS (NEED FACTORY INSTALLATIONS)

Description	Article No.
SSW1 Communication with Rockwell Collins PLGR/DAGR	667 005
SSW9 Function to calculate fall of shot correction	902 827

<sup>1)</sup> need corresponding communication option

#### Please note

Additional accessories, cables and tripods are listed on the separate data sheets PLRF- Accessories and PLRF, VECTOR, MOSKITO – Tripods/ Monopods

**TECHNICAL DATA****Optics**

Observation	monocular
Magnification	6x
Field of view	6° / 106mil
Objective diameter	30mm
Focus	fixed (30m to infinity)
Reticle	Glass reticle with 5mil graduation and electronic aiming mark
Eye relief	24mm
Dioptric setting	+4 to -4 diopters
1,064 nm laser protection	attenuation factor O.D. > 4

**Rangefinder (distance)**

Laser type	1,550nm, class 1 eye-safe per IEC 60825-1 Ed 2.0 (2007-03)
Range capability	5m to > 6,000m
Specified performance	3,000m at visibility 15km, 2.3 x 2.3m target, albedo 0.4 detection probability 90%
Accuracy (1 $\sigma$ )	$\pm 2m$ (50m to 1,500m) $\pm 5m$ (< 50m / > 1,500m)
False alarm rate	< 2%
Resolution on display	0.1 m / 1 yd / 1 ft
Multiple targets	up to 3 targets in line of sight
Time per measurement	< 0.4s
Repetition rate	up to 1Hz
Beam divergence	typical 0.7 x 1.70 mil

**Digital Magnetic Compass (azimuth and inclination)**

Units	6,400; 6,300; 6,000 mil/360°
Resolution on display	1 mil / 1°
Azimuth accuracy (1 $\sigma$ ) with PPS calibration on tripod, typical (1 $\sigma$ )	$\pm 10$ mil / $\pm 0.6^\circ$ $\pm 5$ mil / $\pm 0.3^\circ$
Inclination accuracy (1 $\sigma$ )	$\pm 3$ mil / $\pm 0.2^\circ$
Maximum inclination angle	800mil / 45° in any direction (inclination and bank)
Declination, adjustable	$\pm 179.9^\circ$
Compass calibration	menu guided

**Display**

Type	high brightness light emitting diodes (LED) with automatic brightness control and dimming function for image intensifiers
Data displayed	slope distance, azimuth, inclination, horizontal distance, vertical distance, distance between two objects and other functions according to user manual
Unit settings	distance: meter, yard, feet angle: mil, degree

**Data interface**

Standard interface type	RS232
Wireless	Bluetooth® (Class 2, SPP)
External GPS capability	Rockwell Collins DAGR/PLGR II/PLGR+96

**Power supply**

Standard, on-board	1x 3V lithium battery type CR123A
Battery capacity (20°C)	> 5000 measurements, low battery indicator

**Environmental conditions, tested to MIL-STD-810**

Waterproof	1 m, 60 minutes
optional	10m, 60 minutes
Operational temperature	-35°C to +63°C -31°F to +145°F
Storage temperature	-40°C to +85°C -40°F to +185°F
Shock	40g / 11 ms / $\pm xyz$
Vibration	10 to 500Hz in 30 minutes

**Electro-magnetic compatibility (EMC/EMI)**

RE102, RS103	MIL-STD-461
ESD	IEC/EN 61000-4-2

**Physical**

Housing	aluminium in removable shock-absorbing rubber cover
Colour	black, green, desert tan
Tripod interface	standard ¼ inch thread
Dimensions with shock-absorbing cover	
length	131 mm / 5.2in
width	88 mm / 3.5in
height	55 mm / 2.2in
Weight (incl. battery)	430g / 0.95lbs <sup>1)</sup>
with shock-absorbing cover	500g / 1.1 lbs <sup>1)</sup>

1) tolerance: +15g / +0.33lbs

