

**vectronix**

Swiss Quality — Made in the U.S.A.



# PLRF

POCKET LASER RANGE FINDER  
WITH COMPASS OPTION

## FEATURES

- SMALL, COMPACT
- LIGHTWEIGHT
- LASER RANGE FINDER
- DIGITAL MAGNETIC COMPASS
- HIGHLY RELIABLE AND RUGGEDIZED

## BENEFITS

- FITS IN CARGO POCKET
- REDUCES SIZE AND WEIGHT OF A SOLDIER'S KIT
- FAR RANGING CAPABILITY
- GEO-LOCATION CAPABILITIES
- BATTLEFIELD READY





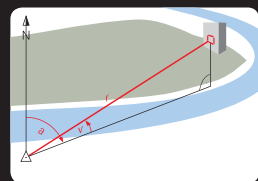
# TECHNICAL DATA CHART

TECHNICAL DATA	PLRF 10		PLRF 15	
	PLRF10	PLRF10C	PLRF15	PLRF15C
<b>OPTICS</b>				
Magnification	Monocular 6 x		Monocular 6 x	
Field of view	6° / 106 mil		6° / 106 mil	
<b>RANGE FINDER</b>				
Laser diode	905 nm	905 nm	1550 nm	1550 nm
Beam divergence (typical)	0.3 x 1.5 mil	0.3 x 1.5 mil	0.5 x 2.0 mil	0.5 x 2.0 mil
Range capability	5 m to > 2500 m	5 m to > 2500 m	5 m to > 3000 m	5 m to > 3000 m
Accuracy, 1 $\sigma$	$\pm$ 2 m	$\pm$ 2 m	$\pm$ 2 m (50 m to 1500 m) $\pm$ 5 m (< 50 m / > 1500 m)	$\pm$ 2 m (50 m to 1500 m) $\pm$ 5 m (< 50 m / > 1500 m)
<b>Digital Magnetic Compass</b>				
Digital Magnetic Compass	no	yes	no	yes
Orientation accuracy, 1 $\sigma$		$\pm$ 10 mil		$\pm$ 10 mil
Vertical angle accuracy, 1 $\sigma$		$\pm$ 5 mil		$\pm$ 5 mil
<b>PHYSICAL</b>				
Housing	Anodized Aluminum with removable shock absorbing skin		Anodized Aluminum with removable shock absorbing skin	
Dimensions (w x h x l)	101 x 50 x 125 mm	101 x 65 x 125 mm	101 x 50 x 125 mm	101 x 65 x 125 mm
Weight, with batteries	620 g (1.37 lbs)	670 g (1.48 lbs)	620 g (1.37 lbs)	670 g (1.48 lbs)

## COMPACT, LIGHTWEIGHT SOLUTION

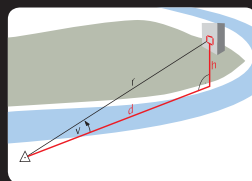
Pocket Laser Range Finder (PLRF) is a small, lightweight, highly reliable handheld laser range finder. PLRF was designed to meet the U.S. military's size, weight and power (SWaP) objectives and provides an observation and measurement solution that meets today's demanding intelligence gathering, surveillance and reconnaissance requirements.

PLRF offers superior range measurements up to 3,000 meters. PLRF does this in a compact, two-button handheld device that can be operated single-handedly. Measurements are precise and data delivery is fast. Small size, light weight and simple operation allow the operator to multi-task and remain in a constant state of readiness. An external data connection enables rapid, error-free data transmission to command and control systems.

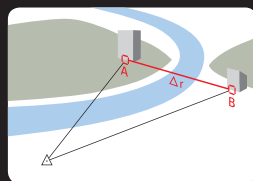


PLRF measures polar vector from the observer's position to target object:

r = range  
a = azimuth  
v = vertical angle (inclination)



PLRF displays:  
d = horizontal distance  
h = height difference



PLRF computes/ displays relative values between two remote objects such as:

$\Delta$  slope distance from A to B

\*For further details see technical sheet

PLRF contains crystal-clear optics, operates in multiple environments and is water resistant. PLRF's features render it a superior-quality, highly-reliable, rugged laser range finder.

PLRF is available in 2 versions (PLRF 10 and PLRF 15). Both versions are available with the option to incorporate an internal state-of-the-art Vectronix Digital Magnetic Compass (DMC) with inclinometer (when the DMC is incorporated, the products are called PLRF 10C and PLRF 15C, respectively). The optional compass provides azimuth, elevation and cant angle in addition to horizontal distance and height difference – not only between the observer and an object, but also between two remote objects.

### Class I Eye-Safe Laser

Vectronix is committed to providing the safest, most reliable equipment possible. All Vectronix products contain Class I Eye-Safe Lasers. Unlike other products that couple non-eye-safe lasers with mechanical buffers, Vectronix products provide unequivocal eye safety all the time, every time.

### RANGE CAPABILITY CHART

