

IMPULSE LASER SERIES

RUGGED AND RELIABLE. A TRUE FIELD CREW'S DREAM.


Our Impulse reflectorless lasers are extremely versatile, rugged and completely waterproof. They're specifically designed to perform under the harshest conditions. On-board solutions let you measure height, horizontal and vertical distance; distance between two in-line objects; and cumulative distance for perimeter applications. You can also measure two remote objects for recording elevation change or performing trajectory calculations. Add one of our MapStar modules for complete 3D measurement capabilities. The Impulse can be used handheld or mounted for added stability. No other laser is built to outlast and outperform like the Impulse.



KEY FEATURES:

- Easily view all your measurements on the custom backlit LCD display
- Feel more confident in your measurements, thanks to audible and visible indicators
- Utilize the long-range capabilities to lock onto smaller targets at greater distances that other lasers can't recognize
- Quickly transfer your measurements to almost any data collector using the built-in serial port
- Distinguish your desired target from other things in the foreground or background with the adjustable range gate
- Discriminate reflective targets by toggling on the filter system

IMPULSE MODELS

				
SPECIFIC USES/FUNCTIONS	IMPULSE 200	IMPULSE 200 LR	IMPULSE 200 XL	IMPULSE 2K
Affordability	\$+	\$\$	\$\$\$+	\$
Measures Inclination to Calculate Heights, Horizontal and Vertical Distances	Yes	Yes	Yes	No
Filter Mode to Discriminate Reflective Targets	Yes	Yes	Yes	No
RS232 Serial Output for Electronic Data Storage	Yes	Yes	Yes	No
Integrates with MapStar Modules, GPS and Data Collectors	Yes	Yes	Yes	No
Typical Max Range to Non-reflective Target	250 m (820 ft)	500 m (1,640 ft)	2,000 m (2,190 yds)	2,000 m (2,190 yds)
Typical Max Range to Reflective Target	575 m (1,880 ft)	575 m (1,880 ft)	2,200 m (2,400 yds)	2,200 m (2,400 yds)
Typical Range Accuracy	3 to 5 cm (0.1–0.2 ft)	3 to 5 cm (0.1–0.2 ft)	1 m (1 yd)	1 m (1 yd)
Range Resolution	0.01 m (0.01 ft)	0.01 m (0.01 ft)	1 m (1 yd)	1 m (1 yd)
Typical Inclination Accuracy	± 0.1 deg	± 0.1 deg	± 0.1 deg	N/A
Inclination Limits	± 90 deg	± 90 deg	± 90 deg	N/A
Size	15.2 x 6.4 x 12.7 cm (7 x 2.5 x 5 in)	15.2 x 6.4 x 12.7 cm (7 x 2.5 x 5 in)	15.2 x 6.4 x 12.7 cm (7 x 2.5 x 5 in)	15.2 x 6.4 x 12.7 cm (7 x 2.5 x 5 in)
Weight	1 kg (2.2 lb)	1 kg (2.2 lb)	1 kg (2.2 lb)	1 kg (2.2 lb)
Power Supply	(2) AA batteries (Up to 20 hours of use)	(2) AA batteries (Up to 20 hours of use)	(2) AA batteries (Up to 20 hours of use)	(2) AA batteries (Up to 20 hours of use)
Temperature	-30 to + 60° C (- 22 to + 140° F)	-30 to + 60° C (- 22 to + 140° F)	-30 to + 60° C (- 22 to + 140° F)	-30 to + 60° C (- 22 to + 140° F)
Environmental	IP 67 and NEMA 6	IP 67 and NEMA 6	IP 67 and NEMA 6	IP 67 and NEMA 6
Eye Safety	FDA Class 1 (CFR 21)	FDA Class 1 (CFR 21)	FDA Class 1 (CFR 21)	FDA Class 1 (CFR 21)
Available Scope Options	1X red-dot or 1.5–4X crosshair	1X red-dot or 1.5–4X crosshair	1.5–4X crosshair	3–9X crosshair