

Laser Comparisons

	Trimble LaserAce 100 	Laser Tech TruPulse 200/B 	Laser Tech TruPulse 200L 	Laser Tech TruPulse 200X 	Laser Tech TruPulse 360/B 	Laser Tech TruPulse 360R 	Geo 7X Integrated Laser Reangefinder 
Range to non-reflective target:	150 m (500 ft)	1000 m (3,280 ft)	1750 m (5,740 ft)	1900 m (6,233 ft)	1000 m (3,280 ft)	1000 m (3,280 ft)	120 m (393.701 ft)
Range reflective target:	600 m (1970 ft)	2000 m (6560 ft)	1750 m (5,740 ft)	2500 m (8,200 ft)	2000 m (6560 ft)	2000 m (6560 ft)	200 m (656.168 ft)
Distance Accuracy:	10 cm (4 in)	+/- 30 cm (1 ft) ¹	+/- 1 m (3 ft) ¹	+/- 4 cm (1.5 in) ¹	+/- 30 cm (1 ft) ¹	+/- 30 cm (1 ft) ¹	5 cm (~2in)
Inclination Range:	-70° to 70°	-90° to 90°	-90° to 90°	-90° to 90°	-90° to 90°	-90° to 90°	-90° to 90° ⁶
Inclination Accuracy:	0.2°	0.25°	0.5°	0.1°	0.25°	0.25°	0.5°
Compass Accuracy ² :	2°	N/A	N/A	N/A	1°	1°	1.5°
Weight:	464 g (1 lb)	285 g (10 oz)	200 g (8oz)	382 g (13.5 oz)	220 g (8 oz)	385 g (13.6 oz)	1080 g ⁵ (38.1 oz)
Size:	4.33" x 3.94" x 1.97"	5" x 2" x 3.5"	4.5" x 4" x 2"	5.2" x 2.1" x 4.5"	5" x 2" x 3.5"	5.2" x 2.1" x 4.5"	9.2" x 3.9" x 2.2" ⁵
Battery:	1100 mAh rechargeable Li-Ion	2 AA or 1 CRV3	1 CRV3	1 CRV3	2 AA or 1 CRV3	CR 123A	Powered from Geo 7X Li-Ion battery
Environmental Rating:	IP 63	IP 54	IP 54	IP 56	IP 54	IP 56	IP 65 ⁵
Waterproof:	No	No	No	Yes	No	Yes	Yes ⁵
Operating Temperature:	14° to 113° F	-4° to 140° F	-4° to 140° F	-4° to 140° F	-4° to 140° F	-4° to 140° F	-4° to 140° F ⁵
Eye Safe:	Yes (FDA Class 1)	Yes (FDA Class 1)	Yes (FDA Class 1)	Yes (FDA Class 1)	Yes (FDA Class 1)	Yes (FDA Class 1)	Yes (FDA Class 2)
Optics:	5x magnification	7x magnification	4x magnification	7x magnification	7x magnification	7x magnification	3x magnification ⁶
Display:	Side LCD	In-scope LCD	In-scope LCD	In-scope LCD	In-scope LCD	In-scope LCD	LED screen of Geo 7X
Communication:	Bluetooth	RS232 Serial Port/ Bluetooth ³	N/A	Bluetooth (iOS Only) ³	RS232 Serial Port/ Bluetooth ³	RS232 Serial Port/ Bluetooth ³	Integrates with Geo 7X only
Height Measurements:	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Missing Line Measurements:	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Price:	\$2,195	\$749-849 ⁴	\$449	\$1,795	\$1595-\$1695 ⁴	\$1,795	\$7,995-\$14,495 ⁴

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- 1) This is the accuracy to a typical target that is short range, light-colored, and large.
- 2) The TruPulse 360 models can measure azimuth (compass heading) accurately no matter how the range finder is being held. The LaserAce must be held level to get an accurate azimuth. The TruPulse 200 series does not have a compass and cannot measure azimuth.
- 3) Serial port available on all TruPulse 200, 200B, 360, 360B, and 360R.
Bluetooth® available only on 200B, 200X, 360B and 360R.
- 4) Price is \$100 more on models with built-in Bluetooth.
- 5) Includes Geo 7X handheld.
- 6) This feature is only for version 1.2 or greater of the Trimble Rangefinder Utility.