

Leica Rod Eye Laser Receivers

Technical Data Sheet



Technical Data	Rod Eye Basic	Rod Eye 120 Basic	Rod Eye 140 Classic	Rod Eye 160 Digital	Rod Eye Digital RF
Smart Targeting / Smart Lock	No	No	No	No	Yes
Working diameter (laser dependent)	600 m	900 m	1,350 m	1,350 m	1,350 m
Detection window	36 mm	70 mm	120 mm	120 mm	120 mm
Digital readout / height	No	No	No	Yes / 90 mm	Yes / 90 mm
Digital readout / units	-	-	-	mm, cm, in, frac, ft	mm, cm, in, frac, ft
Detectable spectrum	600 nm to 800 nm	600 nm to 800 nm	600 nm to 800 nm	600 nm to 800 nm	600 nm to 800 nm
Automatic shutoff	10 minutes	10 Minutes	10 minutes	10 minutes	10 minutes
Audio volumes	High / Low / Off	High / Low / Off	High / Low / Off	High / Med / Low / Off	High / Med / Low / Off
Arrow display	Five channels	Nine channels	Nine channels	Fifteen channels	Fifteen channels
Detection accuracies	Fine ± 1 mm Coarse ± 3 mm	Fine ± 1 mm Medium ± 2 mm Coarse ± 3 mm	Fine ± 1 mm Medium ± 2 mm Coarse ± 3 mm	Very Fine ± 0.5 mm Fine ± 1 mm Medium ± 2 mm Coarse ± 3 mm Very Coarse ± 5 mm	Very Fine ± 0.5 mm Fine ± 1 mm Medium ± 2 mm Coarse ± 3 mm Very Coarse ± 5 mm
Protection class (splash water/dust proof)	IP66	IP67	IP67	IP67	IP67
Battery type/ life	1x 9V / 50+ hours	2x AA / 50+ hours	2x AA / 50+ hours	2x AA / 50+ hours	2x AA / 50+ hours
Dimensions (HWD)	150 x 80 x 35 mm	173 x 76 x 29 mm	173 x 76 x 29 mm	173 x 76 x 29 mm	173 x 76 x 29 mm
Operating temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C

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