













Technical data	Leica Rugby 610	Leica Rugby 620	Leica Rugby 640	RL300	GRL240HVCK 	GRL250HVCK 
Pic						
Dimensions	212 x 239 x 192 mm			190x212x207 mm		
Weight	2.38 kg / 5.2 lbs	2.56 kg / 5.6 lbs	2.56 kg / 5.6 lbs	1.85 KG		
Functionality	Self-levelling horizontal, one button laser	Self-levelling horizontal & manual slope in one axis	Self-levelling horizontal & manual 90° and manual slope in dual axis	Self-levelling horizontal and vertical Manual slope	Self-levelling horizontal and vertical Manual slope	Self-levelling horizontal and vertical Manual slope
	General construction	General construction	Multipurpose / H.V.	Multipurpose / H.V.		
Laser class	Class 2					
Laser type	635 nm (visible)			635/520 nm (visible)		
Plumb up	-	-	Yes	Yes		
(horizontal / vertical)	± 2.2 mm at 30 m (3/32" at 100 ft)	3/32" (±2.2mm) accuracy up to 100ft (30m) ± 1.5 mm at 30 m (1/16" at 100 ft)-a part		3/32" (±2.2mm) accuracy up to 100ft (30m)	1/8"(±3.0mm) accuracy up to 100ft (30m)	3/32" (±2.2mm) accuracy up to 100ft (30m)
Grade range	-	-	-			
Smart Slope	-	-	-			
Rotation – RPS	10	10	0, 2, 5, 10	0, 150, 300, 600 RPM		350, 600, 1,200 RPM
Scanning – degrees	-	-	10, 45, 90	15, 30, 60 degrees		0, 3, 10, 30, 45, 120 Degrees
Scan90	-	-	Yes	Yes		
Range (diameter) – Basic	500 m (1.650 ft)	600 m (2.000 ft)	500 m (1.650 ft)	600 m (1.650 ft)		
Range (diameter) – RE140/160	600 m (2.000 ft)	800 m (2.600 ft)	600 m (2.000 ft)		1300ft (400m)	1300ft (400m)
RF remote control (diameter)	-	-	200 m (650 ft)	80m		
Li-Ion batt. / hours operation	40+	40+	40+	40 / 60		
Alkaline batt. / hours operation	60+	60+	60+			
Working temperature range	-10 to +50 °C (14 to +122 °F)	-20 to +50 °C (-4 to +122 °F)	-20 to +50 °C (-4 to +122 °F)	-20 to +50 °C		
Storage temperature range	-20 to +70 °C (-4 to +158 °F)	-40 to +70 °C (-40 to +158 °F)	-40 to +70 °C (-40 to +158 °F)	-40 to +70 °C		
Seal (both excluding and including battery pack)	IP67	IP67	IP67	IP66	IP 56	IP 56
Warranty	3 years no cost (see PROTECT by Leica Geosystems policy for life time coverage)					
Configurations	LRE140	LRE160	LRE180			
Laser Detector						
Remote Control					----	