Leica Rugby 600 & 800 Series Comparison



Instrument	Rugby 610	Rugby 620	Rugby 640	Rugby 640G	Rugby 670	Rugby 680	Rugby 810	Rugby 820	Rugby 830	Rugby 840	Rugby 870	Rugby 880
Type	Self-levelling horizontal, one button laser	Self-levelling horizontal & manual slope in one axis	Self-levelling horizontal & manual slope in one axis	Self-levelling horizontal & manual slope in one axis	Self levelling horizontal, dial in grade in single axis	Self levelling horizontal, dial in grade in single axis	Self-leveling horizontal, single manual slope (with slope adapter)	Self-levelling horizontal & manual slope in dual axis	Self-levelling horizontal & manual slope in dual axis	Horizontal/ Vertical 90° manual slope in dual axis	Self-levelling Single Grade	Self-levelling Dual Grade
Range	600m	800m	600m	600m	800m	800m	600m	800m	1350m	700m	1100m	1100m
Self-Levelling Accuracy	± 2.2mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m	± 1.5mm @ 30m
Rotation Speed	10rps	10rps	0, 2, 5, 10rps	0, 2, 5, 10rps	10rps	10rps	10rps	10rps	10rps	0, 2, 5, 10rps	5, 10rps	5, 10rps
Operating Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Laser Type	(visible) RED	(visible) RED	(visible) RED	(visible) GREEN	(visible) RED	(visible) RED	(visible) RED	(visible) RED	(visible) RED	(visible) RED	(visible) RED	(visible) RED
Battery	Alkaline 60hrs Li-Ion 40 hrs	Alkaline 60hrs Li-Ion 40 hrs	Alkaline 60hrs Li-Ion 40 hrs	Alkaline 60hrs Li-Ion 40 hrs	Alkaline 60hrs Li-Ion 40 hrs	Alkaline 60hrs Li-Ion 40 hrs	Alkaline 60hrs Li-Ion 45 hrs	Alkaline 60hrs Li-Ion 45 hrs	Alkaline 60hrs Li-Ion 45 hrs	Alkaline 60hrs Li-Ion 45 hrs	Alkaline 60hrs Li-Ion 45 hrs	Alkaline 60hrs Li-Ion 45 hrs
Protection Class	IP67	IP67	IP67	IP67	IP67	IP67	IP68	IP68	IP68	IP68	IP68	IP68
Remote			✓	✓			✓	✓	✓	✓	✓	✓
Smart Targeting							✓	✓	✓	✓	✓	✓
Smart Lock							✓	✓	✓	✓	✓	✓
Machine Control											✓	✓
Horizontal/Vertical	—	—	— |	— |	— |	—	—	—	—	— |	—	—
Grade Capability					✓	✓					✓	✓

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