

PIPELAYING LASERS



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Pipeguide



Product code: LS.145.B / LS.145.G / LS.140.B / LS.140.G

SO ADVANCED IT'S ACTUALLY SIMPLE

We've remodelled the Pipeguide pipelaying laser to give you the brightest beam available, along with the most advanced features in the world.

FEATURES

- ▶ Impressive grade range (-20% to +35%)
- ▶ Two grade input systems available
- ▶ Charging possible while laser in use
- ▶ Automatic warning if service is required
- ▶ Unique handle design which permits auto self levelling in cross axis when used on trivet plate
- ▶ Grade to ratio conversion
- ▶ Remote lock and height alert
- ▶ Remote control for out of trench adjustments
- ▶ Internal rechargeable battery
- ▶ Machined metal body

GRADE DISPLAY MODES



Percentage



Ratio

MODELS



LS.140.B
Red beam pipelaying laser with internal battery



LS.140.G
Green beam pipelaying laser with internal battery



LS.145.B
Red beam pipelaying laser with internal battery and 45° switch pad



LS.145.G
Green beam pipelaying laser with internal battery and 45° switch pad

SPECIFICATIONS

	LS.140.B/G	LS.145.B/G
Laser type	635 nm red laser diode or 532 nm green laser diode	
Laser power	3 mW nominal	
Laser class	Class 3R	
Grade range	-20% to +35%	
Grade range option	Any maximum 55% range	
Self-levelling range	-22% to +37%	
Line adjustment control	± 2.25 m @ 30 m	
Operating power source	Rechargeable battery or external power supply	
Battery type	Rechargeable Ni-Mh	
Input charging voltage	12 to 16 V DC	
Input charging current	1.0 Amp	
Charging time	6 hrs red beam 12 hrs green beam	
Polarity protection	Yes	
Operating time	20 hrs (10 hrs for LS.145.G)	
Design characteristics	Fully machined aluminium body	
Waterproof/fog-proof	Yes - purged with nitrogen	
Length	270 mm	282 mm
Diameter	140 mm	
Weight (with handle)	5 kg	

Pipeguide Economy



Product code: LS.140.E

The LS.140.E has been developed by MCE to provide an economical way to increase your productivity and accuracy when laying pipes. The remote line control allows easy second-day setup, while the full function remote control allows full control of the Pipeguide outside the trench.

FEATURES

- ▶ Easy set up
- ▶ Impressive grade range (-20% to +35%)
- ▶ Liquid crystal display
- ▶ Grade/line lock function
- ▶ Compact, yet rugged
- ▶ Full function remote control

SPECIFICATIONS

Laser Unit		
Laser type	635 nm red laser diode	
Laser power	3 mW nominal	
Laser class	Class 3R	
Grade range	-20% to +35% (or any 55% range)	
Self-levelling range	-22% to +37%	
Line adjustment	± 2.25 m @ 30 m	
External power source	12 - 16 V DC	
Polarity protection	Yes	
Dimensions	Length: 270 mm Diameter: 140 mm	
Weight	5 kg	
Remote Control		
Type	Corded remote control	
LCD display	Yes	
Controls	Grade and line	
Cord length	Laser to remote: 6 m Remote to power: 3.5 m	
Dimensions	280 x 115 x 70 mm	
Weight	2.5 kg (including cord)	

Pipeguide Accessories

TARGETS

The targets for the Pipeguide range from those small enough to fit inside a 150 mm pipe to large adjustable models.



Fixed target 4" (100 mm)	A.140.004
Fixed target 6" (150 mm)	A.140.006
Fixed target 9" (225 mm)	A.140.009
Fixed target 12" (300 mm)	A.140.012
Universal target large with 3 inserts (red or blue)	A.140.022
Universal target small with 2 inserts (red or blue)	A.140.023
Red insert: small universal target, 5" or 9"	P.140.015
Red insert: large universal target, 8" or 11"	P.140.016
Green insert: large universal target, 8" or 11"	P.140.018
Blue insert: small universal target, 5" or 9"	P.140.019

TRIVET STAND

Sturdy and extremely robust, the trivet stand allows you to easily setup your Pipeguide on a stable height adjustable platform. Whether in front of a manhole or on solid ground.



Product code: A.140.005
 A.140.001
 A.140.002

BACK SUPPORT

The back support allows the Pipeguide to be setup on top of a standard 100mm or 150mm plastic sewer pipe, without slipping.



Product code: A.140.701
 A.140.042