

# FKL-80/81

The FKL-80 pipe laser emits an automatically levelled or defined inclined laser beam as reference axis. It can be set up centrally or at a constant distance above the pipe invert.

## FKL 81

High power version, max. range up to 500 m, special feature:  
laser power adjustable in five steps,  
laser class 3R,  
laser power < 5mW



- Fully automatic
- Automatic levelling
- Banking compensation
- Inclination zeroing
- Direction centring and cut-out in case of undervoltage or jerky movement
- Robust metal housing
- Special laser beam quality
- Brightly illuminated
- Easily legible LCD display
- Built-in rechargeable battery
- User-friendly infrared remote control
- Menu

### TECHNICAL DATA

Laser class	2, &lt; 1 mW/diode
Laser	visible red, 635nm
Beam diameter	13 mm at laser
Range depending on ambient conditior	to 200 m
Inclination range	-10% to +40%
Self-levelling range	-5% to +40%
Reading precision	0.001%
Permissible deviation	± 0.005%
Direction setting range	± 5.000%
Banking compensation	± 4°
Operating time	Battery to 26 hours
External power supply	11 V DC to 14 V DC
Undervoltage cut-out	yes
Watertight	to 0.35 bar
Temperature range	-20°C to +50°C
Dimensions / Weight	Ø 130 mm, length 265 mm / 4.2 kg
Range remote control	to 150 m from front to 18 m from behind
Dust/waterprotection	IP 67

### SUPPLIED WITH

Basic version  
1 Target frame with target DN 150 - 300  
2 Transport case, with lock  
3 Pipe laser with leg set DN 150  
7 Leg set DN 300  
8 Leg set DN 250  
9 Leg set DN 200  
12 Battery charger  
Operating instructions

Comfort version  
4 IR remote control  
5 Leg set DN 500  
6 Leg set DN 400  
10 Adapter for mounting with 3 legs  
11 Target DN 400 - 500

