

## Technical data



### Electronic settlement measuring instrument

	LFGpro	LFG4
> Settlement measuring range 0,1 bis 2,0 mm ± 0,02 mm	✓	✓
> Measuring range $E_{vd} < 225 \text{ MN/m}^2$	✓	✓
> Temperature range 0 to 40 °C	✓	✓
> Very robust, splash-water proof, connection cable with high-quality LEMO connectors	✓	✓
> Graphic display in mm	56 x 73	38 x 68
colourful, lightsensor-controlled and illuminated	✓	
black/white		✓
> Help function	✓	
> Fast, efficient 32-bit processor	✓	
> Bluetooth, USB, thermal printer interface	✓	✓
> GPS	✓	optional
> Dimensions in mm	210 x 100 x 31	211 x 100 x 26
> Storage capacity, internal in measurement series	1000	500
> Power supply:		
high-performance rechargeable		
lithium-polymer-battery 3,7 V, 6300 mAh	✓	
4 x R6 Batterien		✓
> Menu navigation (18 languages available)	✓	✓

### Loading Mechanism

	LFGpro	LFG4
> Total weight 15,0 kg	✓	✓
> Drop weight 10,0 kg	✓	✓
> Max. impact force 7,07 kN	✓	✓
> Duration of impact 17,0 ± 1,5 ms	✓	✓
> Material: zinc coated/hard-chrome plated steel	✓	✓
> Spring element 17 disk springs	✓	✓

### Load plate

	LFGpro	LFG4
> Diameter 300 mm, Plate thickness 20,0 mm	✓	✓
> Total weight 15,0 kg, Material: zinc coated steel	✓	✓

## Scope of supply

### Light Weight Deflectometer HMP LFG

according to »German Engineering Code for Soil and Rock in Road Construction TP BF-StB part B 8.3 / issue 2012«

consisting of:

- > **Loading mechanism with bubble level**
- > **Load plate with acceleration sensor**
- > **Electronic settlement measuring instrument** within protective aluminum case, Displaying and storage of settlement values, settlement speed (ratio s/v), deflection module  $E_{vd}$  and settlement curve
- > **USB stick incl. movie** regarding its application and instruction manual, 4 GB

### Optional upgrade

Because of the modular construction you only buy, what is actually needed – basic equipment for the efficient self-monitoring or professional device for exact documentation. An upgrade or modification is possible at any time fast and cost-effective.

### Guaranteed

- > 2 years of guarantee included
- > 10 years of spare part availability guaranteed
- > competent all-round service – even after the sale has been made!
- > certified according to DIN EN ISO 9001:2008
- > development and production within Germany
- > trained service- and distribution partner nearby

