



Profoscope Rebar Locator

Profoscope instruments are designed to accurately determine the location of rebars and their cover depth beneath the surface. The instruments can also assess the rebar diameter. The detection function on a Profoscope are capable of separating rebars that are located close to each other.

The Profoscope has a real-time rebar-visualization, allowing the contractor to actually “see” the location of the rebar beneath the concrete surface. A Profoscope can record measurement data, manually or automatically. This increases testing efficiency on the construction site significantly.

Features:

Versatility: rebar location and orientation, cover measurement and rebar diameter assessment all provided by a single, fully integrated, cordless instrument.

Ease of use: the user interface and the real time visualization of the rebars make the instrument very easy to use.

Durability: Sealed housing for use in rough environment with replaceable protection cover for long lasting performance, over a wide temperature range.

Memory functions: Two different modes

1. Manual data storage allows the user to save concrete cover and rebar diameter on individually chosen spots.
2. Automatic data storage is designed for surface scans. Every time a rebar is detected, the cover value is stored automatically.



Single Handed Operation Design

The Profoscope is designed for single handed operation. All functions can be programmed using the two function keys and the navigation. The instrument is compact, light and robust.

Single Hand Operation Button Features:

- Display
- Navigation
- Reset Key
- Center of probe
- LED indicator
- Function key
- On/off button
- Battery compartment
- Center line

Technical Specifications

Power Supply	
Power source	2 x 1.5 V AA (LR6) batteries
Voltage range	3.6 V to 1.8 V
Current Consumption	
Power on, backlight off	-50 mA
Power on, backlight on	~ 200 mA
Sleep mode	~ 10 mA
Power off	< 1 μ A
Battery Lifetime	
Backlight off	> 50 h
Backlight on	> 15 h
Time Outs	
Sleep mode	30 s
Auto shut down	120 s
Environmental Conditions	
Temperature range	-10° to 60° C (14° to 140° F)
Humidity range	0 to 100% rH
Protection class	IP54
Standards and Regulations Applied	
BS1881 part 204; DIN1045; SN 505 262; DGzFP B2	
Data Storage (Profoscope+ only)	
49'500 measurements total (500 objects with 99 measurements)	
Compatibility ProfoLink: Windows 2000, XP, Vista, 7, 8	

