PAPWORTHS CONSTRUCTION TESTING EQUIPMENT

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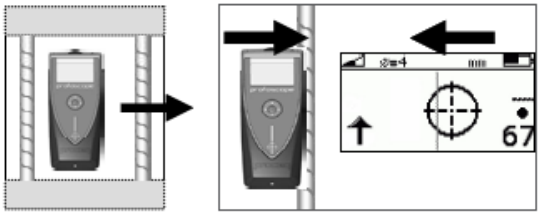
ProfoScope - Rebar Locator

A rifle scope shows the position of the rebar beneath the instrument in real time. This is combined with red LED lights that illuminate when the bar is directly below the ProfoScope

Locating a rebar



The ProfoScope is the latest device in the Proceq range. It uses the best technology available to accurately locate rebar and combines it into to an extremely user friendly package. It also has the capability to determine bar depth and diameters. The ProfoScope is the perfect low cost option for the builder who is not interested in all the bells and whistles available on today's Covermeters.

Application

Rebar location needs to be fast and accurate. ProfoScope has a unique real-time rebar-visualization allowing the contractor to actually "see" the location of the rebar beneath the concrete surface. This is coupled with rebar-proximity indicators and optical and acoustical locating aids. These unique features combine to make the task of locating rebars a simple and efficient process, saving time and money for contractors and providing them with the information they need to do their job fast.

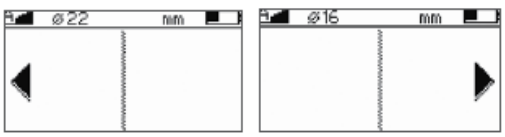
Benefits

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

Simplicity of use: the intuitive user interface means no time is wasted trying to interpret signal values.

Real-Time Visualisation of Rebar

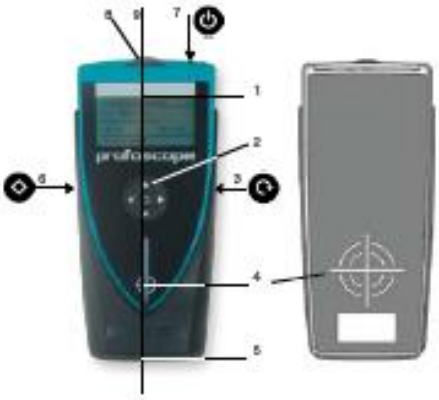
The ProfoScope makes rebar location faster and simpler than ever before. Symbols on the screen show the location of rebar within range.



Fully-Integrated, Cordless Design

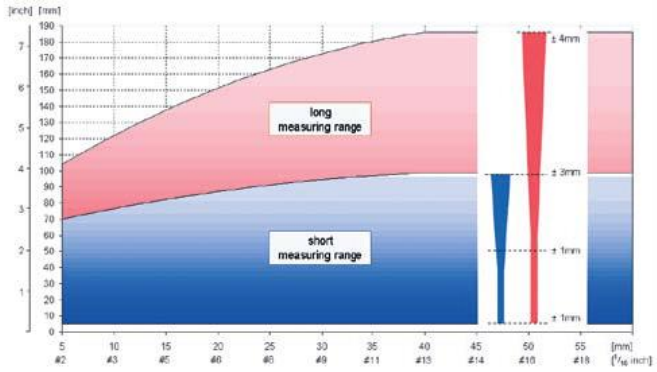
The ProfoScope is designed to permit single handed operation. All functions can be programmed/activated using the two function keys and the navigation. The instrument is compact, light and robust suitable for use on a construction site

1. Display
2. Navigation
3. Reset key
4. Measurement center
5. LED indicator
6. Function key
7. On/off button
8. Battery compartment
9. Measurement center



Measuring Range

This graph shows the maximum possible measuring range for the ProfoScope compliant with BS1881 part 204. Please note this is based on a single rebar with sufficient clearance to neighboring rebar.



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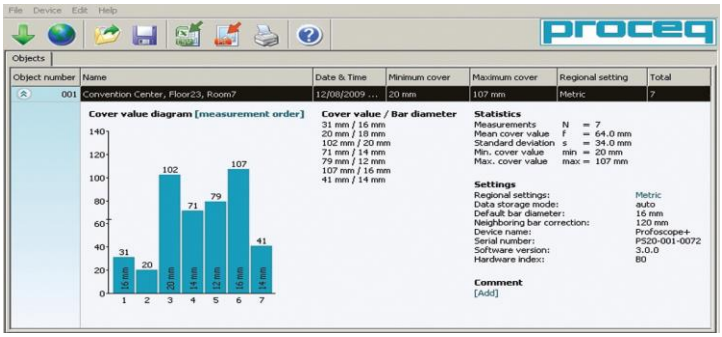
All New PROFSCOPE+ And PROFOLINK

Manually recording the measurements of a test series is a time consuming business that can be an unnecessary source of errors. The various data storage modes of the Profoscope+ makes note taking obsolete.

Data exchange can be done easily by connecting the Profoscope+ directly to the USB-port of the PC or by reading out the integrated Micro SD memory card. The included Windows (2000, Vista & 7 supported) based software ProfoLink allows the user to download, edit and present the data measured by the Profoscope+. The most common units and rebar dimensions are supported, and converting the data is straightforward. All data can be exported either in graphic format or as a text file to third party applications. Total memory is 500 files with 99 measurements.

Two different modes of operation are supported: Manual data storage allows the user to save concrete cover and rebar diameter on individually chosen locations. Automatic data storage is especially designed for surface scans. Every time a rebar is detected, the cover is stored automatically.



Warranty

The Standard Warranty includes: Electronic portion of the instrument for 24 months, Mechanical portion of the instrument for 6 months. This is extendable is you contact Proceq directly

Form Supplied

ProfoScope including standard accessories: Packaging with integrated start-up test kit, batteries, canvas bag, carrying strap, chalk and product documentation

Specifications

Measuring Range	
See graph on previous page for maximum range relative to bar diameter.	
Power Supply	
Power source	2 x 1.5 V AA (LR6)
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 µA
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	-10º to 60º C
Humidity range	0 to 100% rH
Protection class	IP54
Standards and Regulations Applied	
BS1881 part 204; DIN1045; SN 505 262; DGZfP B2	

About PCTE

PCTE have over 30years experience in the measurement and testing of concrete. With experience in research, consulting and construction they are able to assist you in reviewing the issues and developing solutions. PCTE can provide more than just the equipment. They can provide leading technical support for your business.

Other Equipment

The Olson Instrument range also includes the NDE360, CTG, Freedom Data PC and DAS as well as the resonance tester.

The full Proceq range of equipment is available for insitu non destructive concrete measurement, including Schmidt Hammers, Covermeters, Half Potentials, Resistivity, Ultrasonics and Permeability.

We also supply Intelli-Rock maturity, temp and humidity logging systems, corrosion rate monitoring equipment, Ground Penetrating Radar.