

# profometer<sup>®</sup>5<sup>+</sup>



## REBAR DETECTION SYSTEM

- Location and orientation of reinforcing bars
- Measuring concrete cover depth
- Determination of bar diameter
- Compact, user-friendly indicating device with backlight
- ProVista PC software for fast data transfer and editing
- Can be operated in metric and imperial units

PROFOMETER 5<sup>+</sup> utilizes the non-destructive pulse-induction method



Standardized according to SIA 162 • DIN 1045 • DGZfP B2 • BS 1881: Part204

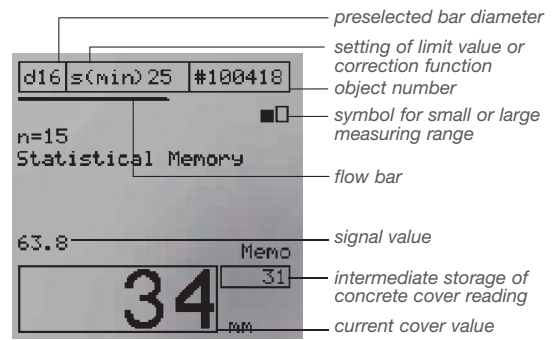
**proceq**

[www.proceq.com](http://www.proceq.com)

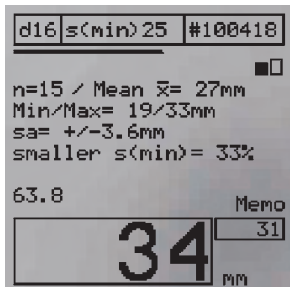
## Model S • Basic Instrument

### Various location aids are available:

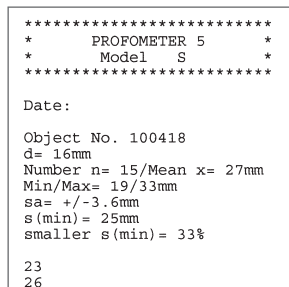
- Current value:** Distance from surface of reinforcement
- Flow bar:** Movement of flow bar indicates approach to metal object
- Beep tone:** Sounds immediately after crossing the bar axis. Selectable in two frequencies.
- Variotone:** The closer the probe to the bar, the higher the tone
- Signal value:** Measure of distance from probe to metal object



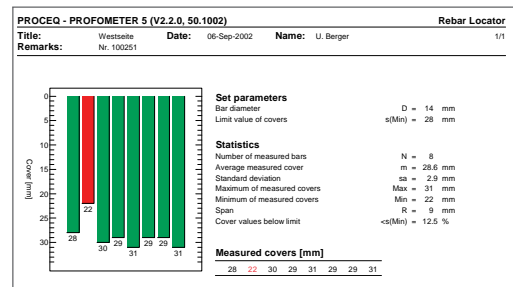
### «Measuring with statistics» function



The statistical evaluation of the stored memo values appears when the END button is pressed.



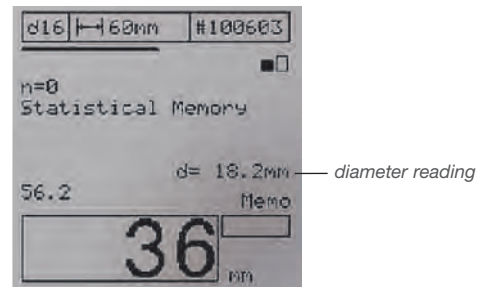
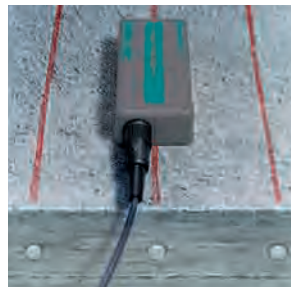
Sample data printout via RS 232 interface to optional printer.



Data transfer to PC and evaluation with ProVista Software

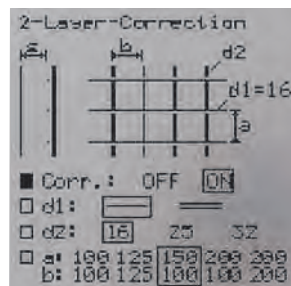
### Determine the bar diameter of closely spaced parallel bars

The instrument compensates the influence of the neighboring bars.



### Measure the cover depth in congested bar arrangements

Measure the bar spacing and enter the values. The instrument compensates for the influence of the adjacent bars.

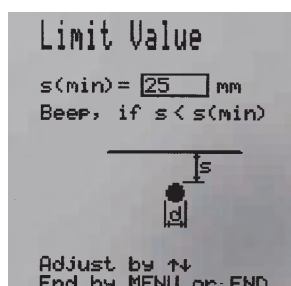


### Detect bars with insufficient concrete cover

#### Suggested applications:

- Check after removing formwork
- Quality assurance
- Evaluation basis for repair

The universal probe moves rapidly with the preselected limit value. If the cover is too low, an acoustic warning signal is given.



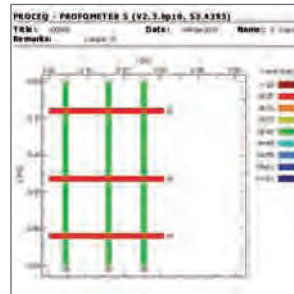
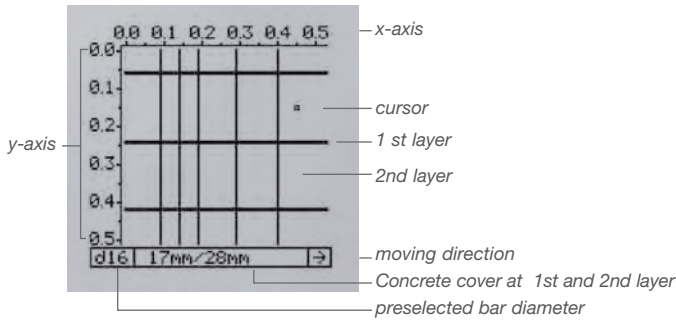
## Modell SCANLOG • Identical to Model S – with these additional features:

- "CyberScan" function to visualize reinforcing bars on the display
- "Measuring with grid" function for grey-scale display of concrete cover
- ScanCar probe cart with integrated path measuring device for scanning



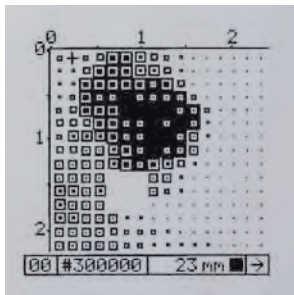
### Make reinforcement visible with "Cyber Scan"!

Three scales are available: 0.5 x 0.5 m, 1.0 x 1.0 m, 2.0 x 2.0 m

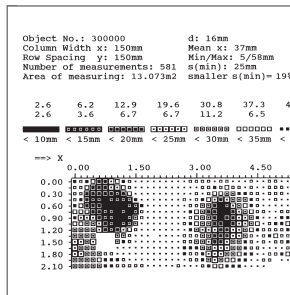


Data transfer to the PC and processing with ProVista Software

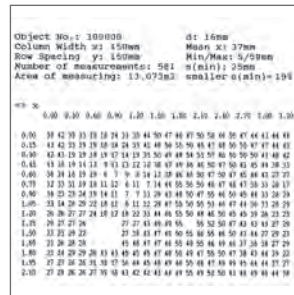
### «Measuring with grid» function



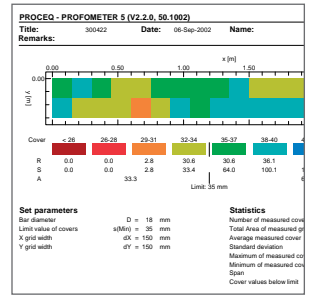
Display



Printout of concrete cover in grey scale



Printout of concrete cover values



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## Technical Information

Display device Model S

MEMORY: non-volatile memory for 40'000 measured values and 60 objects respectively

DISPLAY: LCD with backlight option

INTERFACE: RS 232

SOFTWARE: ProVista for downloading data and evaluation on PC

BATTERIES: 6 x 1.5V for 45h operation; 30h with backlight on

TEMPERATURE RANGE: -10° to +60° C

Universal probe

Probe for locating rebars and measuring cover depth in two depth ranges as well as determining rebar diameters within range.

Display device Model SCANLOG

The unit is identical to Model S, with additional features for the Cyberscan and the measuring with grid function. Memory capacity: 120'000 values in function measurement with grid and a total of 60 objects.

Model S can be upgraded to Model SCANLOG. Contact Proceq for details.

## Ordering Information

### UNIT MODEL S

390 00 050	Rebar Detection System PROFOMETER	5 <sup>+</sup> Model S
Includes	Indicating device, probe cable 1.5 m, transfer cable 1.5 m, Pro Vista Software on CD, carrying strap, headset, protective sleeve for display unit, operating instructions, carrying case, total weight 4.2 kg	

### UNIT MODEL SCANLOG

390 00 054	Rebar Detection System PROFOMETER identical to Model S, with the additional features plus ScanCar with path measuring cable 1.55 m, interface converter serial/parallel, incl. 2 m cable, total weight 4.5 kg	5 <sup>+</sup> Model SCANLOG probe cart
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### ACCESSORIES FOR BOTH MODELS

390 00 270	Test block
390 00 076	Telescopic rod for universal probe or ScanCar
390 00 280	Marking pen for universal probe
390 00 540	Adapter RS 232 / USB

### REPLACEMENT PARTS

390 00 068	Universal probe
390 00 084	Protective film for universal probe
330 00 470	Protection sleeve for display unit
390 00 163	Probe cable 1.5 m
390 00 168	Path measuring device cable 1.55 m
330 00 456	Transfer cable 9/9 poles
390 00 188	Interface converter serial / parallel, incl. 2 m cable
390 00 078	Carrying case
820 390 01	Operating instructions

Subject to change without notice



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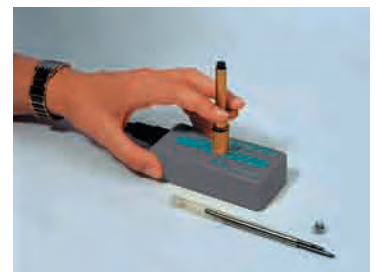
Main components



Test block



Telescopic rod for universal probe or ScanCar



Marking pen for universal probe

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