????????? ????????? ??????? ???????? MC8020



????????? ????????? ??????? ???????? MC8020. ???? ??????????: ??????. ???????: BS1881 part 204. ???????? ?????? ??????????: ± 1mm ??? 60mm ?????, ± 3mm ??? 160mm ??? ????? ??? 160mm ± 4mm. ???????? ?????????: ??????? ?? ?? ????????, ?? ????? ?????????? ??? ??? ???????? ??? ????? ??????: ± 0,5 mm ??? ± 1.5 mm. ????? ?????????. ?????????? ????????? ???? ???? ??? ??????? ????????

??????????: ??? ???????????? ?????
????

??????? ??? ?? ??????

?????????

????????? ????????? ??????? ???????? MC8020

???? ??????????: ??????

Better than BS1881 part 204 over full range of Instrument:
???????? ?????? ??????????: ± 1mm ??? 60mm ?????, ± 3mm ??? 160mm ??? ????? ??? 160mm ± 4mm.
???????? ?????????: ??????? ?? ?? ????????, ?? ????? ?????????? ??? ??? ???????? ??? ????? ??????: ± 0,5 mm ??? ± 1.5 mm.

????? ?????????. ?????????? ????????? ???? ???? ??? ??????? ????????

???? ??????????: 250€ / ????????.

The MC8022 model uses a newly designed probe believed to incorporate the most accurate depth and bar size determination routines available. This, combined with extremely good resolution of multiple bars, sets the unit apart from others and sets the benchmark for Covermeter surveying. The new K9 probe searches using a version of "pulse induction" techniques proved to give more accurate results in areas of bar congestion. When the instrument selects the bar size accurately, then precise depths can be displayed.

1. · Auto bar sizing using raw signal strength data
   · K9 probe with auto log button and visual bar indicator
   · Automatic update of measured bar size
   · Data logging function with software for download
   · Signal strength display for pin point accuracy
   · Two measuring ranges to aid discrimination
   · Quick scan mode with low cover alarm
   · Metric or imperial measurements
   · Additional 0-1000 range for special requirements
   · Screen backlight
   · Battery state indicator and re-charge warning light

- Earpiece for noisy environments
- Audio bar location with volume control
- Date and time display in international formats
- Light weight - Instrument and probe just 700 grams
- Carry case, harness, manual, CD and spare K9 baseplate
- Charger with local plug and RS232 download lead
- Certificate of conformity to BS1881 part 204
- IP65 instrument and probe housings
- Two year warranty excluding wear and tear

2. **The 8022 Series Technical Specifications:**

Using high-powered processors in conjunction with pulse induction search technology, automatic bar diameter determination within the parameters defined below enables very precise depth readings and bar orientation to be obtained even where there is the need to discriminate between bars on close centres. Several Menu and Set-up screens are available to tailor the 8020 to your local requirements, and the unit remembers these settings at switch on until modified, even after power-down for battery conservation. Battery life is shown on screen but an additional visual indication is given when to continue work might compromise stored data, and that re-charging is essential.

A typical operating screen is shown below:

- The 8022 Series Technical Specifications:

BAR SIZING ACCURACY ± 0,5mm to ± 1.5 mm
Dependent on bar size and cover depth and the closeness of other bars.
Error codes indicate to the user if there is too much or too little cover for a bar size to be estimated. Otherwise the bar size is indicated and the current bar size used by the 8020 is updated automatically, resulting in greater depth indication accuracy.
BAR SIZING RESOLUTION 0.1 mm
BAR SIZING
The minimum depths of between 8-22 mm of cover, which are dependent on the bar size, can be overcome by the introduction of any spacer when the bar is too close to the surface.
Typically a 6mm bar can be sized down to 60mm of cover
and a 40mm bar can be sized down to 80mm of cover.
COVER DEPTH MEASUREMENT RANGE
From 5 to 185mm dependent on bar size. Readings closer to zero can be achieved by insertion of spacer of known thickness to increase distance of probe from target.
COVER DEPTH ACCURACY to 1mm
±1mm up to 60mm cover
±2mm up to 120mm
±3mm up to 160mm
Examples of Accuracy
±4mm over 160mm
Better than BS1881 part 204 over full range of Instrument
BAR RESOLUTION
Dependent on bar size and cover. Some examples are shown here.
Bar Diameter: Cover: Minimum Spacing:
16mm 60 mm 70mm
16mm 100 mm 110mm
25mm 130 mm 150mm
DATA LOGGING CAPABILITY
The logging capacity is 10000 bits of information comprising:
· Cover measurement
· Bar size
· Date
· Time
· Log Number
The PC application communicates with the 8020 via a serial port and enables the downloading directly into a Microsoft Excel spreadsheet format (*.csv file). This will include the facility to download a selected range of logged data "points" such that only the required data is transferred to the spreadsheet. This program is simple to install and has been tested on Windows 2000, ME and XP.