

# Don't chance it.

## Hilti PS 20 detector

- Localise and position reinforcement and copper pipes.
- Identify live electric cable.
- Quickly, easily and dependably.

The Hilti logo is displayed in a bold, white, sans-serif font within a red rectangular border. The letters are thick and blocky, with a distinctive design where the 'H' and 'I' have a stepped appearance. The entire logo is set against a white background.

# No more nasty surprises

Just switch on, calibrate and scan. It's that easy. Work more safely and efficiently by identifying the position of reinforcement and copper water pipes and localising live electrical cable. The Hilti PS20 detector lets you position reinforcement on the wall and also determine the depth at which it is buried. Similarly, copper and aluminium pipes can be positioned, avoiding the consequences of burst pipes. The presence of nearby electric cables can also be established, so that no shocking experiences occur. The detection of all these materials is automatic, and the high accuracy of the depth measurement even fulfills recognised international standards for concrete cover measurement. If you thought all this would cost you the earth, think again. PS20 offers excellent value for money and will pay for itself within days.

## Hilti PS20 detector

### Uses

- Precautionary checks before drilling
- Locating reinforcement and copper pipes
- Checking the concrete cover over reinforcement
- Checking for the presence of unshielded live electric cable and localising it

### Performance

- Locating reinforcement or copper pipe on the wall to within  $\pm 5$  mm
- Determining the depth of reinforcement to within  $\pm 2$  mm (see the specifications on the rear page for exact depth performance)
- Scan for the presence of reinforcement up to 100 mm deep, for copper pipe up to 60 mm deep.
- Scans and determines depth for all reinforcement from 8–36 mm (ACI #3–#11) without needing to know or input the diameter.
- Closely-spaced reinforcement can be easily distinguished.

### Features

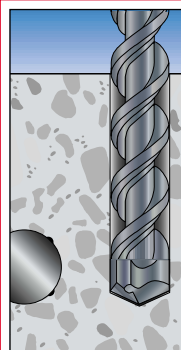
- Ergonomic, robust design for job-site use
- Simple, user-friendly operation
- Large, clear backlit LCD display
- Unique price/performance ratio
- Minimum cover function – only detect reinforcement that is too close to the surface



*The expensive way of drilling a hole.  
Do it cheaper with a Hilti PS 20*

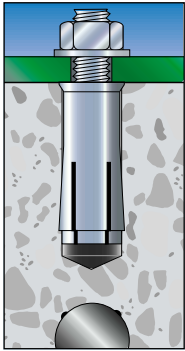
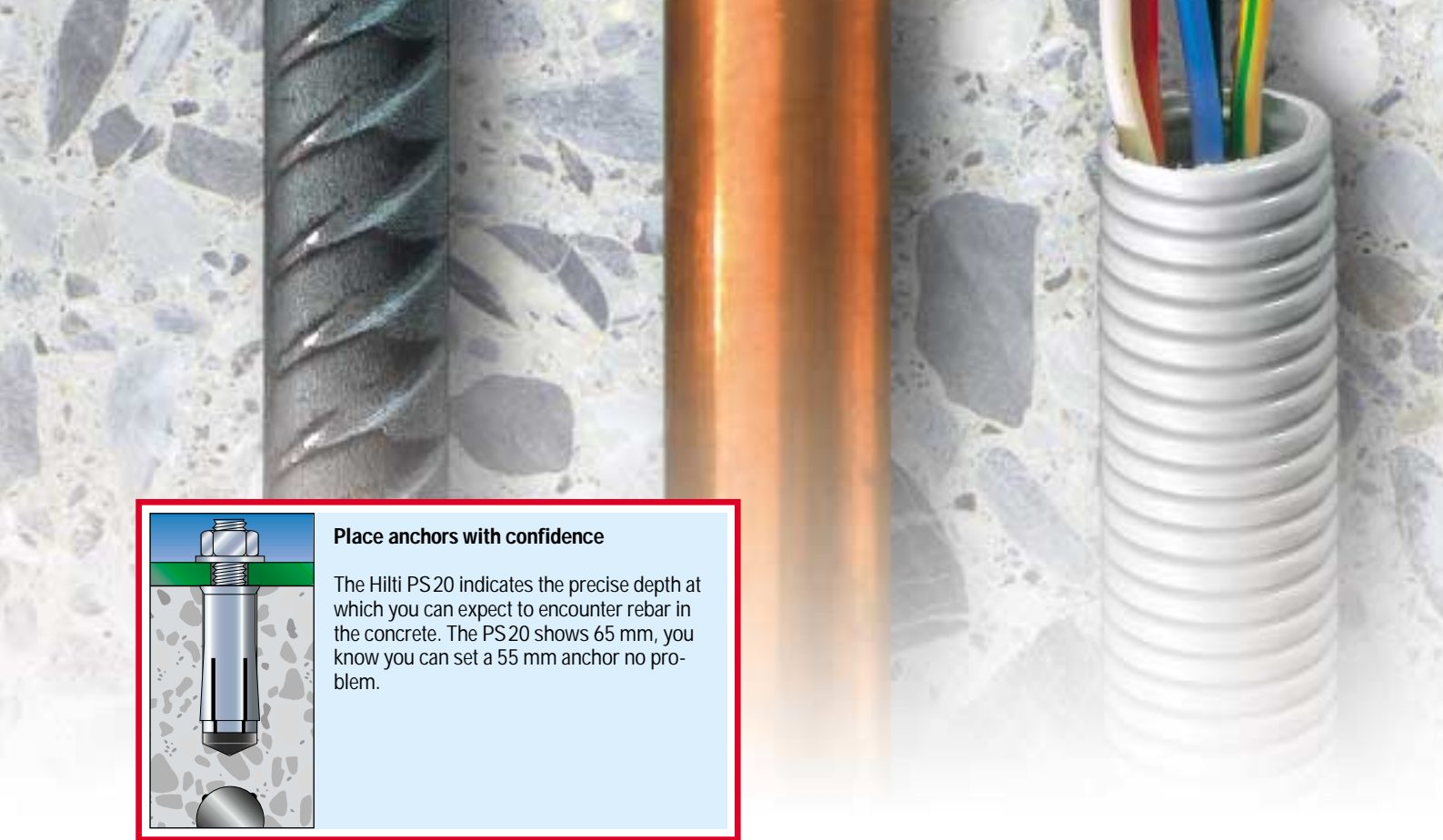


*What a mess! Hilti PS20 helps you drill it once and drill it right*



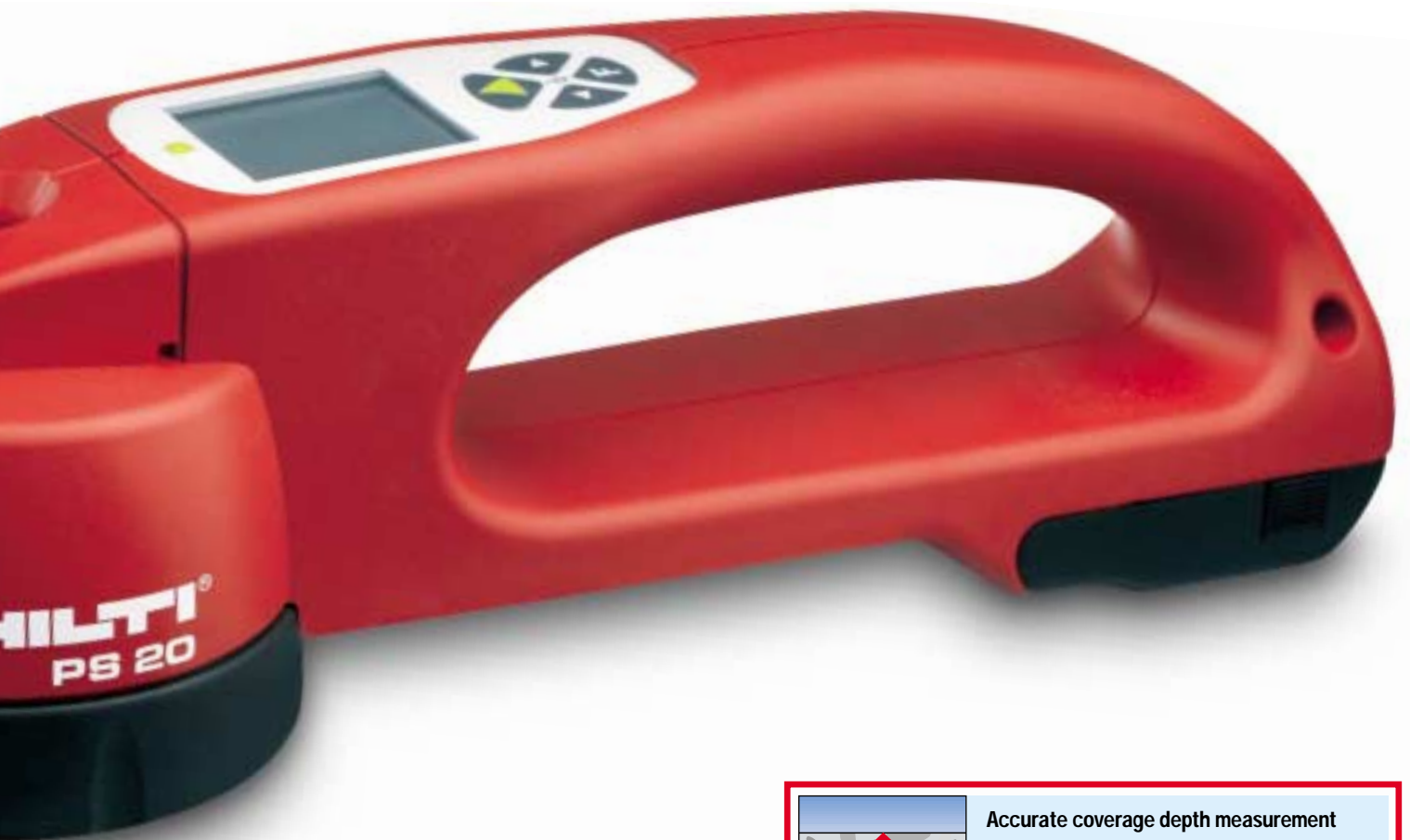
### No-risk drilling

No more time lost due to rebar hits and no more bills for repairs to copper water pipes or damaged electric cables. The risk of receiving shocks from live electric cables is dramatically reduced. With the Hilti PS20 you know what to expect.



#### Place anchors with confidence

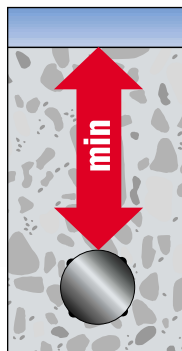
The Hilti PS20 indicates the precise depth at which you can expect to encounter rebar in the concrete. The PS20 shows 65 mm, you know you can set a 55 mm anchor no problem.



#### PS20 – making it even easier

The PS20 has been designed with the user in mind. Apart from its technical excellence it is also very robust, and the comfortable, ergonomic handgrip, coupled with light weight means you can hold it all day long without tiring.

The marking hole in the sensor head is placed at the exact spot where the object is detected. All it then takes is to mark the spot through the hole using one of the markers supplied. Everything is kept together in the case supplied and on the jobsite can be carried at the ready in the pouch.



#### Accurate coverage depth measurement

For quality assurance, damage analysis or evaluation of the current situation before renovation, the PS20 has to count as one of the cheapest and easiest ways of obtaining accurate, reliable coverage information.

# More than meets the eye

## The Hilti PS 20 Detector

### PS 20 detector

Ordering designation

**PS 20 detector**

Item no.

**340803/6**

PS 20 detector, carrying case, 4 batteries, 2 markers, operating instructions, 1 replacement cover set, 1 pouch.



### Accessories

Ordering designation

**Markers**

Item no.

**430806/9**

Spare china markers in packs of 12.



Marking pens

### Replacement cover set

**340807/7**

One replacement sensor head cover and one battery compartment cover



Replacement cover set

### Technical Data

#### Ferrous reinforcement detection

(12 mm bar to DIN 488, no interfering influences)

Detection range:	5–100 mm
Max. detection depth with depth reading:	80 mm
2D position accuracy on the material surface:	± 5 mm

#### Depth Detection accuracy

(valid for 8–36 mm reinforcement to DIN 488)

5–30 mm	± 2 mm
above 30–60 mm	± 2 mm ± 10% of depth
above 60–80 mm	± 5 mm ± 10% of depth

#### Non-ferrous metal detection (e. g. copper pipe, aluminium etc.)

Detects non-ferrous, electrically conductive metals

Max. detection depth:	60 mm
2D position accuracy on the material surface:	± 5 mm

#### Electrical Cable detection

Detects cables carrying 100–240 V AC power

#### Environmental Data

Battery life (continuous use at 23° C):	> 40 hours
Batteries:	4×Typ AA
Protection class:	IP 54
Operating temperature range:	–10 to +50° C
Dimensions:	280×86×95 mm
Weight (without batteries):	600 g

Hilti Corporation  
FL-9494 Schaan  
Principality of Liechtenstein

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