CONCRETE TEST HAMMER

• Non-destructive measurement of the concrete compressive strength and control of the uniform concrete quality (in-situ concrete and prefabricated structures)

• Detecting weak spots

• Data-Transfer to PC/printer

• Data Evaluation with ProVista Software

Concrete Testing with original DIGI-SCHMIDT Hammer, types ND and LD

By entering the depth of carbonation, the conversion of rebound value to the compressive strength is automatically compensated.

The classic ORIGINAL SCHMIDT concrete test hammer is equipped with a sensor which measures the rebound value of a test impact to a high resolution and repeatability. Basic settings and measured values are shown on the display unit. Operating is menu-guided in different languages.

The DIGI-SCHMIDT is available in two versions:

• Type ND (impact energy 2.207 Nm) - suitable for use on concrete components of 100 mm thickness or more

• Type LD (impact energy 0.735 Nm) - suitable for use on concrete components of thickness less than 100 mm (e.g. precast elements) and on cast stone material

The measuring data can be transmitted easily by the serial RS 232 or via USB with adapter USB/RS 232 to a normal printer or to a PC/Laptop with the window based software ProVista. Wrongly set parameters (like impact direction) can be corrected after the transmission on the PC/Laptop.


Control and data transmission to PC/Laptop
Technical Information

**TEST HAMMER**

<table>
<thead>
<tr>
<th><strong>TYPE ND</strong></th>
<th><strong>TYPE LD</strong></th>
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<tbody>
<tr>
<td>IMPACT ENERGY:</td>
<td>2.207 Nm</td>
</tr>
<tr>
<td>MEASURING RANGE OF COMPRRESSIVE STRENGTH ( f_c ):</td>
<td>10 to 70 N/mm²</td>
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<td>for horizontal impacts and ( f_c ) for cubes ( 150/150/150 )</td>
<td></td>
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<tr>
<td>ACCURACY OF MEASUREMENT:</td>
<td>± 0.2 R</td>
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<tr>
<td>REPRODUCIBILITY:</td>
<td>± 0.5 R</td>
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Display unit with non-volatile memory for max. 250 measurement series of 10 values each

**DISPLAY:** Graphic LCD-Display 128 x 128 Pixel

**INTERFACE:** RS 232 or with adapter* to USB

**PC SOFTWARE PROVISTA:** for evaluation and printing of the measured values and transmission to PC

**TEMPERATURE RANGE:** -10°C to +60°C for instrument

**BATTERY:** 6 LR6 batteries, 1.5V for 60 hours operation (40 hours operation with backlight switched on)

Ordering Information

**UNITS**

340 00 202 Concrete Test Hammer DIGI-SCHMIDT, Type ND

340 00 211 Concrete Test Hammer DIGI-SCHMIDT, Type LD

including test hammer, indicating device, test hammer cable, transfer cable, grinding stone, operating instructions, CD with ProVista software, protection sleeve, neck/wrist strap, carrying case and certificate, 5.6 kg

Subject to change without notice

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**Accessories**

310 09 040 Testing Anvil Euro

*390 00 542 Adapter RS232/USB

310 99 037 Grinding stone

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*The standard curves for concrete aged 7 and 28 days and four additional curves are installed in the unit. Three further internal conversion curves can be programmed via the keyboard. The integrated clock stores the measured values with test date and time.*