

proceq

Swiss Solutions since 1954

Original Schmidt Live

Core less, test more. The Original, redefined



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Original Schmidt Live – The world's most advanced R-value concrete test hammer

Proceq has transformed Original Schmidt, its industry benchmark rebound hammer, into a cloud-connected instrument with unmatched performance and ease-of-use. Original Schmidt Live is unrivalled for testing, reporting and analysis of concrete strength and uniformity.

Original Schmidt Live is a versatile tool that works as a:

- digital hammer with digital reporting and data sharing (via a free, comprehensive Apple iOS app)
- digital print console by wirelessly connecting to a Bluetooth printer and directly printing out test results

- stand-alone digital hammer (using the digital display without the app and downloading the data to the app later, if required)
- stand-alone analog hammer (using it like an Original Schmidt with the mechanical display, even without a battery)



Original Schmidt Live with iOS app



Original Schmidt Live Print with Bluetooth printer

Applications

Original Schmidt Live has multiple applications and is a favorite of the concrete and paper industries and in geology work.

- **Concrete:** strength estimations, formwork removal and to complement core testing.
- **Paper:** roll profiling in mills and converter plants.
- **Geology:** strength testing, ageing, weathering (field and lab).

Save time and reduce human error

Prepare, test and share results up to 80 percent quicker with the Original Schmidt Live than with traditional hammers. That's an incredible time saving!

Spend no time on manual data entry or validating and calculating results. The Original Schmidt Live and its iOS app do it for you instantly as you test.

Original Schmidt Live is highly intuitive. It automatically detects and corrects for impact angle and displays the series on its screen as you work. Since series are recorded and evaluated automatically, operator influence is eliminated and time spent on manual review is saved.

Prevent read-out, transcription, and human error, and avoid losing hand-written measurements, as all data is stored instantly on a safe and secure cloud.

Send the report directly from the app to your customers and have your colleagues view it instantly on the web reporting tool.

Free up your staff to be more productive and get more satisfaction from a once-laborious task; and get your testing done quickly, automatically, and free of human error.



Measurement screen



Verification screen



Custom curve screen

The app's advantages

- Allows you to test in accordance with standards.
- All data is automatically recorded from the app to a web-based reporting tool.
- Manual data entry not required.
- Export reports in PDF or CSV.
- A Logbook feature summarises all activity, records GPS locations and lets you add notes, images and audio comments.
- Hammer verification management tools help you keep your hammer calibrated.
- Impact results can be heard live in audio on Apple iOS devices via text-to-speech.
- Select units, form factor and correlation curves.
- Create your own custom curve as required by standards.
- Automatic data backup.

Tough and resilient

Original Schmidt Live is a practical tool in a light and strong fiber-reinforced shell.

All mechanical components are Original Schmidt components to ensure compatibility with standards and give proven durability in tough conditions.

Standards

- USA: ASTM C805, ACI 228.1R
- Europe: EN12504-2, EN13791
- China: JGJ-T23
- Japan: JCSE-G504, JIS A1155
- Russia: GOST 22690-2015

Technical specifications

Impact energy Type N	2.207 Nm (1.63 ft lb)
Impact energy Type L	0.735 Nm (0.54 ft lb)
Housing dimensions	61 x 84 x 275 mm / 2.4 x 3.3 x 10.8 in
Weight (N-hammer)	1090 g / 2.4 lb
Weight (L-hammer)	850 g / 1.9 lb
Memory	2,000 measurement series
Displays	Analog & backlit digital (100 x 100 pixels, graphic)
Charger connection	Micro-USB
Battery	Standard AAA, alkaline or rechargeable
IP classification	IP54



Original Schmidt Live with digital display

Ordering information



Original Schmidt Live with portable testing anvil

Original Schmidt Live

340 10 000	Original Schmidt Live N
340 20 000	Original Schmidt Live L
340 10 001	Original Schmidt Live Print N
340 20 001	Original Schmidt Live Print L

Accessories

310 09 040	Testing anvil Euro "N/NR/ND/L/LR/LD"
340 01 300	Portable testing anvil N/L
340 01 058	Portable testing anvil N/L
340 01 054S	Registration Paper for Bluetooth printer (Set of 5 rolls)

Service and warranty information

Proceq is committed to providing complete support for each testing instrument by means of our global service and support facilities.

Standard warranty

- Electronic components of the instrument: 24 months
- Mechanical components of the instrument: 6 months

Extended warranty

When acquiring a new instrument, max. 3 additional warranty years can be purchased for the electronic portion of the instrument. The additional warranty must be requested at time of purchase or within 90 days of purchase.



Original Schmidt Live with wristband

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Silver Schmidt® Live



OS8200

Concrete **strength and uniformity** evaluation using optical rebound hammer technology



Versatility

Accurately test the widest range of concrete strength classes. Work with the built-in standards-compliant conversions or your own custom material conversions.



Collaboration

A mobile app that lets you annotate measurements with voice, photos, and comments. Generate reports and share them instantly. Access your data from anywhere, anytime.



Efficiency

Fully assess an entire test region of concrete in less than 10 minutes—saving you days of laborious effort compared with exclusively using coring.

Silver Schmidt® OS8200

Software	Original Schmidt® Live app & website interface
Workflow features	Voice read-out of each impact (only on iOS®) Logbook with geolocation, audio, image and text annotations Series statistics Single series reporting: PDF, CSV Test-region reporting (multiple series): PDF, CSV, uniformity report, EN13791 characteristic strength report
Verification features	Options: EN12504-2, Manufacturer's recommendation, JGJ-T23 User reminder when verification check on anvil is required User guidance for verification procedure
Cloud features	Cloud synchronization Cloud-enabled Logbook Cloud-based report generation

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Model	Type N	Type L
Applications	High-precision compressive strength estimation and strength uniformity assessment	
Measurement ranges		
Ultra-high performance (UHPC)	Up to 120 MPa / 17405 psi	-
Normal and high strength	10 – 100 MPa / 1450 – 14500 psi	
Fresh*	-	5 – 30 Mpa 725 – 4351 psi
Technology	Optical Rebound Velocity Quotient	
Impact angle independent	●	●
Impact energy	2.207 Nm	0.735 Nm
Probe weight	1.08 kg / 2.38 lbs	0.84 kg / 1.85 lbs
Digital display	100 x 100 px, back-lit	
Display and processing unit	iOS® or Android® device (not included)	
Connectivity	Bluetooth® 4.0 EDR Low Energy to iOS® or Android® device	
Accessories	Bluetooth® printer: optional / included in Print model Mushroom plunger (for Type L only)	

*with mushroom plunger



Measurements settings

Rebound value calculation	EN12504-2; ASTM C805; JGJ-T23; JSCE; JIS; Mean
Units	N/mm ² , MPa, psi, kg/cm ²
Form factor correction	Cube, 2:1 cylinder, 1:1 core, user-definable
Carbonation correction	User-definable
Reference and custom curves	Reference curves for Europe, China and Russia Custom curves (required by major standards) EN13791 characteristic strength determination using rebound value alone

Parameters

Memory capacity	ca. 20'000 impacts
Impacts per series	Max. 70
Battery	Removable, 1x AAA (alkaline or rechargeable), flight-safe
Battery autonomy	> 20'000 impacts
Operating temperature	0 to 50°C / 32 to 122 °F
Operating humidity	<95% RH, non-condensing
Storage temperature	-10 to 70°C / 14 to 158 °F

