

# OS8200 - Silver Schmidt Live



## The Gold Standard of Digital Concrete Test Hammer for measuring compressive strength of Concrete

OS8200 is the state of the art fully digital concrete test hammer on the market for concrete strength and uniformity evaluation using optical rebound hammer technology.

### OS8200 Provides :

- Instant report generation on the go
- Best-in-class strength correlation
- Fully assess an entire test region in less than 10 minutes
- Connected technology allows data viewing directly on Mobile App



### And is the only instrument on the market which provides :

- Apply user-defined corrections for carbonation and form factors
- Correlation to custom materials in accordance with major standards
- Automated EN13791 test region screening report
- Visual report generation using lists, bar charts and statistics on Mobile App.
- Logbook annotations for traceability (including ability to add images, geolocation, text) for test locations
- Workspace integration for cloud storage



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## Specifications :

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	Yes	Yes
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)	
Measurements settings		
Rebound value calculation	EN12504-2; ASTM C805; JGJ-T23; JSCE; JIS; Mean	
Units	N/mm², MPa, psi, kg/cm²	
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	

<b>Software</b>	Original Schmidt live app & website interface
<b>Workflow features</b>	Voice read-out of each impact on mobile device 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
<b>Verification features</b>	Options: EN12504-2, Manufacturer's recommendation, JGJ-T23 User reminder when verification check on anvil is required User guidance for verification procedure
<b>Cloud features</b>	Cloud synchronization   Cloud-enabled Logbook  Cloud-based report generation

Product version	Ordering Code
<b>34150000</b>	OS8200 Original Schmidt Live, Type N
<b>34151000</b>	OS8200 Original Schmidt Live, Type L
<b>34015001</b>	Upgrade Original Schmidt OS8200 N/L TO Original Schmidt OS8200 Print N/L including Bluetooth Printer, Registration Paper Rolls (3x), Carrying Case
<b>Optional Accessory</b>	Print version includes including Bluetooth Printer, Registration Paper Rolls (3x).
<b>34101401</b>	Portable Testing Anvil Os8200 N/L Complete Applicable for Digital Concrete test hammers OS8200 & Silverschmidt
<b>31009040</b>	TESTING ANVIL EURO "N/NR/ND/L/LR/LD"
<b>Optional</b>	
<b>31089002</b>	EURO Anvil Premium Calibration Certificate

### Standard warranty

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

### 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.



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Quality  
Management  
System

ISO 9001: 2015

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