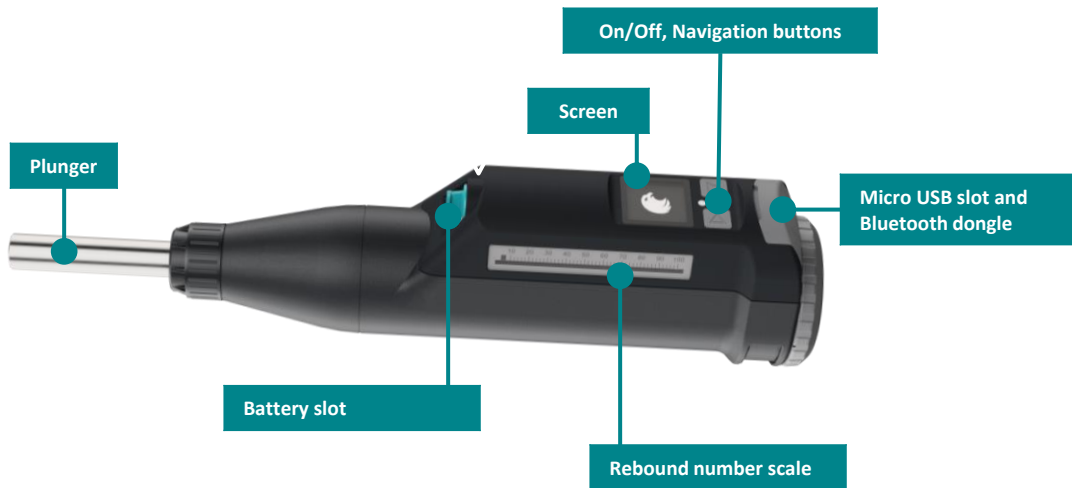


Original Schmidt



OS8000

Quick Reference





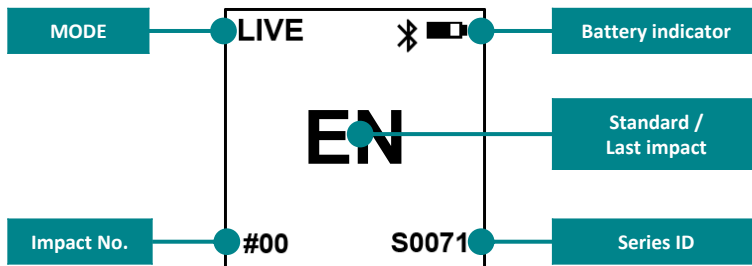
Device ON/OFF	
Short push	Power ON
Long push (>5s)	Power OFF

Operation	
Short push	Scroll right, select, adjust
Long push (>1.4s)	Start new series (Store current series and start new series) Operation possible at any time



Device ON/OFF	
Short push	Power ON
Long push (>5s)	Power OFF

Operation	
Short push	Scroll down
Long push (>1.4s)	Backlight on/off



Mode

Configuration of operation mode

LIVE using the app

PRINT using a BT printer (Print versions only)

Standard

Select standard

MEAN → Arithmetic mean of the rebound values (min 3 impacts)

EN → Rebound value according to EN 12504-2

ASTM → Rebound value according to ASTM C805

JGJ → Rebound value according to JGJ T23

JSCE → Rebound value according to JSCE G504

JIS → Rebound value according to JIS A1155

Memory

Clear memory

Info

Show device information



HOME/MEASUREMENT screen



MAIN MENU



Mode Selection

Mode Selection

LIVE SCROLL

PRINT SELECT



Standard selection

Standard selection

ASTM SCROLL

JGJ

JSCE SELECT/ADJUST

JIS



Clear Memory

Clear Memory

Clear SCROLL

Delete all series SELECT  **Unsynchronized data will be lost**

Cancel Delete



Info

Info

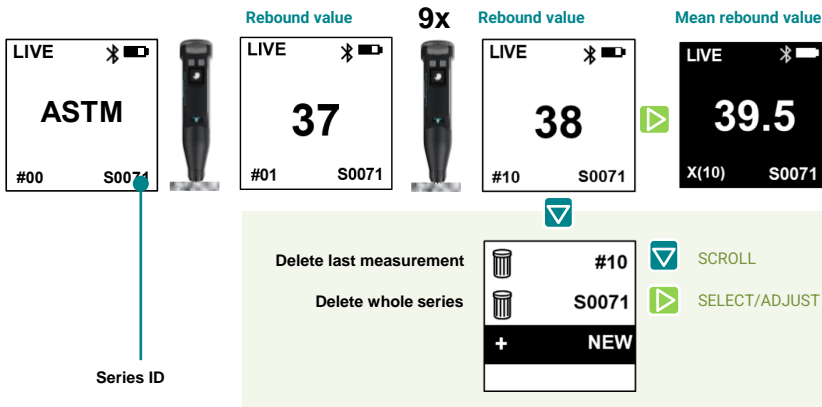
OS82-001-0008 SCROLL

FW:2.0.1 SELECT



HOME/MEASUREMENT screen





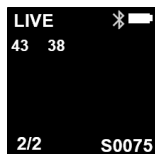
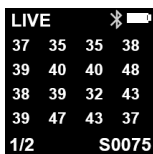
Auto-switch off

No activity > 5 minutes

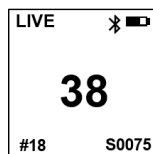


Current series is saved
Current series is closed
Power off

Scroll through results



Return to series



Delete whole series



S0075

Start new series



NEW

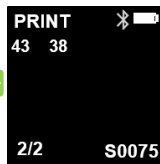
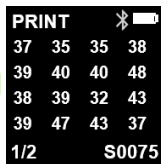
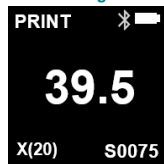


SCROLL

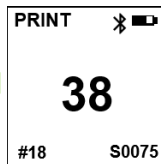








SELECT/ADJUST



Scroll through results






Return to series



Navigation icons:      

Print series	 S0075
Delete whole series	 S0075
Start new series	+ NEW

Navigation icons:  SCROLL  SELECT/ADJUST



Further Information

Requires a BT printer → available as accessory

Configuration for printing → [Mode selection](#)



HOME/MEASUREMENT screen



MAIN MENU



Standard selection

	<table border="1"> <tr><td>ASTM</td><td><input type="radio"/></td></tr> <tr><td>JGJ</td><td><input type="radio"/></td></tr> <tr><td>JSCE</td><td><input checked="" type="radio"/></td></tr> <tr><td>JIS</td><td><input type="radio"/></td></tr> <tr><td><</td><td></td></tr> </table>	ASTM	<input type="radio"/>	JGJ	<input type="radio"/>	JSCE	<input checked="" type="radio"/>	JIS	<input type="radio"/>	<			SCROLL	<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=28</td></tr> <tr><td>R1</td><td>0</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=28	R1	0	<	
ASTM	<input type="radio"/>																					
JGJ	<input type="radio"/>																					
JSCE	<input checked="" type="radio"/>																					
JIS	<input type="radio"/>																					
<																						
JSCE																						
α	>=28																					
R1	0																					
<																						
			SELECT/ADJUST																			

Concrete age correction

	<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=28</td></tr> <tr><td>R1</td><td>0</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=28	R1	0	<			<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=27</td></tr> <tr><td>R1</td><td>0</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=27	R1	0	<			<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=27</td></tr> <tr><td>R1</td><td>0</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=27	R1	0	<			28 days to 10 days
JSCE																															
α	>=28																														
R1	0																														
<																															
JSCE																															
α	>=27																														
R1	0																														
<																															
JSCE																															
α	>=27																														
R1	0																														
<																															

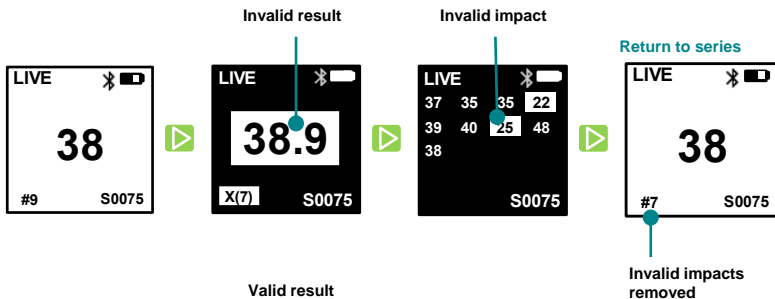
Surface moisture correction

	<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=28</td></tr> <tr><td>R1</td><td>0</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=28	R1	0	<			<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=28</td></tr> <tr><td>R1</td><td>+3</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=28	R1	+3	<			<table border="1"> <tr><td>JSCE</td><td></td></tr> <tr><td>α</td><td>>=28</td></tr> <tr><td>R1</td><td>+5</td></tr> <tr><td><</td><td></td></tr> </table>	JSCE		α	>=28	R1	+5	<		<p>R1 = 0 Surface is dry R1 = +3 Black mark on surface after impact R1 = +5 Surface is wet</p>
JSCE																														
α	>=28																													
R1	0																													
<																														
JSCE																														
α	>=28																													
R1	+3																													
<																														
JSCE																														
α	>=28																													
R1	+5																													
<																														

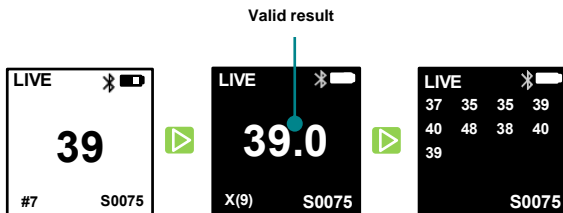
$F(N/mm^2) = [-18.0 + 1.27x(R0 + R1 + R2)] \times \alpha$
 R0 = Rebound number calculated from 20 valid impacts
 R1 = Surface moisture correction
 R2 = Impact angle correction (Applied automatically)
 α = Correction for age of concrete between 10 and 28 days



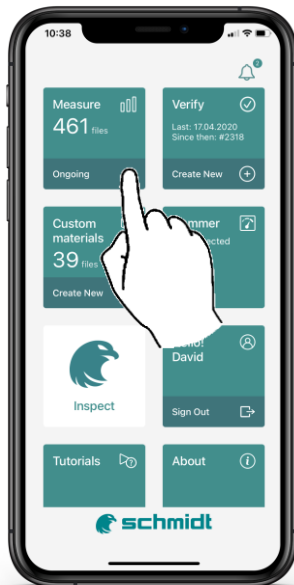
JSCE 20x JIS 9x



2x



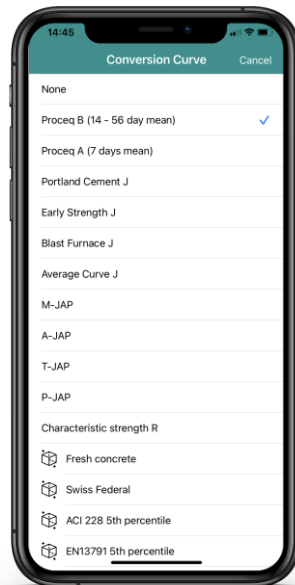
Compressive strength estimation with the App



Further Information

See Quick Start Guide for app installation and connection to hammer

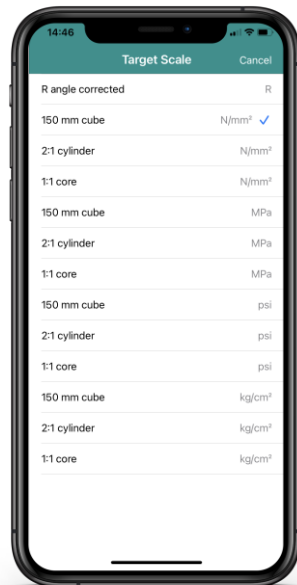
Select conversion curve



Further Information

See Product FAQ on www.screeningeagle.com for more information on the conversion curves

Select unit and form factor



Further Information

Form factor conversions are based on the recommendations in the EN standards



Valid limits for conversion curve

Last impact

Standard (Set on hammer)

Conversion curve

Compressive strength unit and form factor

LEFT - Rebound number (calculated according to selected standard)


RIGHT - Compressive strength (Calculated from rebound number, average impact angle and selected conversion curve)

GREEN - Valid series

ORANGE - Invalid series

Rebound Number (LEFT)	Series	Compressive Strength (RIGHT)
41.0	̄	49.1
33.0	#1	35.0
17.0	#2	10.7
40.0	#3	47.3
38.0	#4	43.7
42.0	#5	51.0
46.0	#6	58.6
38.0	#7	43.6
44.0	#8	54.8
42.0	#9	51.0

Further Information

 A new series is started by a long push on the left hand hammer button.

For more information on the use of the product, please refer
to the OS8000 documentation

It is available for download on



<https://www.screeningeagle.com/en/products/original-schmidt-os8000>

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