



## Schmidt Rebound Hammers

# Rock Schmidt RS8000

Rock testing using rebound hammer technology



### High performance

Unique optical measurement system ensures low dispersion and maximum accuracy in comparison with classical hammers



### Dedicated design

Swiss made hammers specifically designed for rock testing with multiple applications – UCS, E-modulus, weathering grade



### Increased flexibility

Work with the hammer alone, or using the mobile app for fast documentation of your measurements and secure sharing via Screening Eagle Workspace



## Rock Schmidt App

### Tech Specs

<b>Mobile app</b>	Compatible with Apple® iOS devices (iOS 12 and later) Android 6.0 and higher
<b>Workflow features</b>	Voice read-out of each impact (only on iOS®) Logbook with geolocation, audio, image and text annotations Series statistics User definable conversion curves to unconfined compressive strength (UCS) and E-modulus Data export: CSV, pdf
<b>Verification features</b>	Software assisted verification on an anvil
<b>Workspace</b>	Screeningeagle.com - web based handling View and manage data Instant collaboration with colleagues worldwide Cloud back up of data
<b>Languages</b>	English, German, Japanese, Chinese, Korean, Spanish, Portuguese, Italian, French, Russian







## Instrument

### Tech Specs

<b>Measurement</b>	Automatic calculation of rebound value according to international standards
<b>Technology</b>	Optical rebound velocity quotient
<b>Key features</b>	Impact angle independent Displays the impacts on-screen as you work Select standard on instrument Work with hammer independently and upload later if desired to connected app. Connect to iOS, android and portable printer
<b>Impact energy</b>	N 2.207 Nm L 0.735 Nm
<b>Display</b>	Analog & backlit digital (100 x 100 pixels, graphic)
<b>Connectivity</b>	Bluetooth® LE, USB for charging and updates
<b>Weight</b>	0.84 kg / 1.85 lbs
<b>Battery</b>	Standard AAA rechargeable
<b>Battery lifetime</b>	>20'000 impacts between charges
<b>Operating temperature</b>	0 to 50°C / 32 to 122°F
<b>Storage temperature</b>	-10 to 70°C / 14 to 158°F
<b>Operating humidity</b>	<95% RH, non-condensing

# Our Accessories

Image	PartNumber	Description
	34110400	Testing anvil for the OS8200 N/L, PS8000 and RS8000 N/L For regular calibration check as recommended by EN12504-2
	34101401	Portable anvil for the OS8200 N/L, PS8000 and RS8000 N/L For on-site calibration check as recommended by EN12504-2
	34001067	For use with the OS8000, OS8200, PS8000, RS8000 Including printer, charging cable, belt loop and 1 roll of registration paper
	34001057	Carrying case 340 01 057

Standards & Guidelines	Description
ASTM D 5873 (Rock)	
ISRM	Aydin A., ISRM Suggested method for determination of the Schmidt hammer rebound hardness: Revised version. Int J Rock Mech Mining Sci (2008), DOI:10.1016/j.ijmms.2008.01.020.

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