



#### 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**

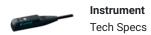
Work with the hammer alone, or using the mobile app for fast documentation of your measurements and secure sharing via Screening Eagle Workspace



Mobile app	Compatible with Apple® iOS devices (iOS 12 and later) Android 6.0 and higher			
Workflow features	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			
Verification features	Software assisted verification on an anvil			
Workspace	Screeningeagle.com - web based handling View and manage data Instant collaboration with colleagues worldwide Cloud back up of data			
Languages	English, German, Japanese, Chinese, Korean, Spanish, Portuguese, Italian, French, Russian			







Measurement	Automatic calculation of rebound value according to international standards			
Technology	Optical rebound velocity quotient			
Key features	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			
Impact energy	N 2.207 Nm L 0.735 Nm			
Display	Analog & backlit digital (100 x 100 pixels, graphic)			
Connectivity	Bluetooth® LE, USB for charging and updates			
Weight	0.84 kg / 1.85 lbs			
Battery	Standard AAA rechargeable			
Battery lifetime	>20'000 impacts betwen charges			
Operating temperature	0 to 50°C / 32 to 122°F			
Storage temperature	-10 to 70°C / 14 to 158°F			
Operating humidity	<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	dards & 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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