

MEASURING EQUIPMENT OF THE HARDENED LAYER DEPTH SH-69



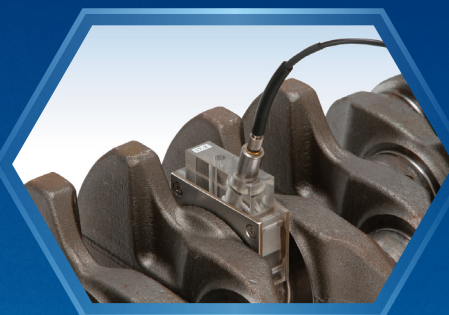
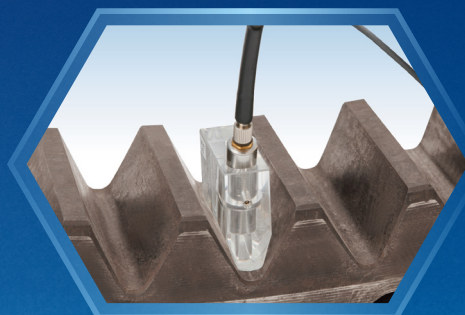
Easy Measurement Using Ultrasound

Nondestructive Measurement Without Cutting

Labor Savings

Cost Reduction

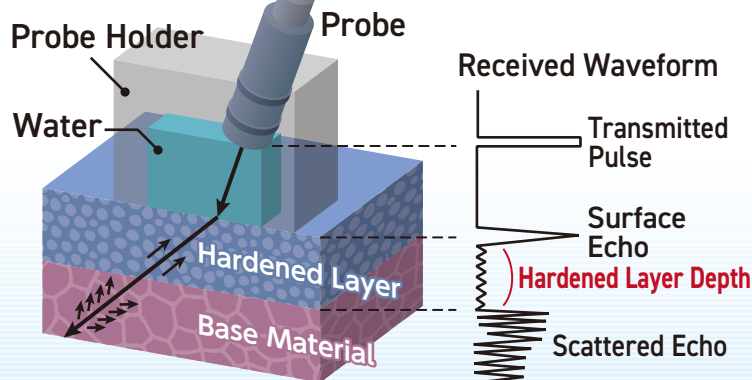
Improved Operational Efficiency



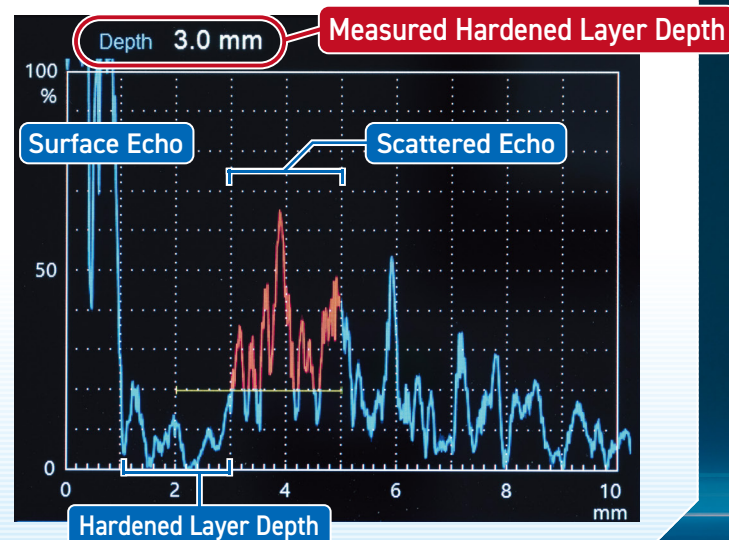
Induction Hardening Depth Measurement

Quick and Easy for Anyone

Measurement Principle



Measurement Result



Easy Operation, No Specialized Knowledge Required

Ready to Measure in Just 5 Minutes (with Automatic Calibration)

Custom-Made Probe Holder to Suit the Shape of the Measurement Location

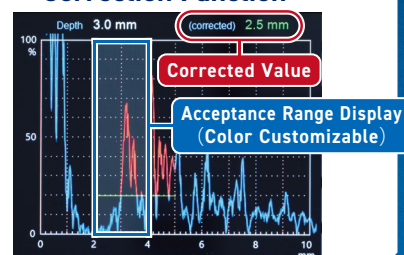
Built-In Battery for Cordless Measurement and Easy Portability

Packed with Convenient Features!

Specifications

	Item	Performance
Case Depth Measurement	Measurement Target	Induction-hardened layer depth
	Measurement Range	0.7–15 mm
	Measurement Resolution	0.1 mm
	Measurement Repeatability	±0.1 mm at the same measurement point
	Scanner Interface	Available. Scanner is optional.
Ultrasonic Flaw Detection	Sensitivity	80 dB or higher at 5 MHz narrowband
	Gain Adjustment Range	Up to 110 dB in 0.1 dB steps
	Receiver Center Frequency	0.25/0.5/1/2/3/4/5/10/15/20/25 MHz
	Amplification Linearity	Within ±3%
	Measurement Range	5.9–14,555 mm at a sound velocity of 5,900 m/s
Common Specifications	Time-base Linearity	Within ±1%
	AC Adapter	100–240 VAC, 50/60 Hz
	Battery	Lithium-ion battery
	Battery Operating Time	Approx. 6 hours per battery, depending on operating conditions
	Ambient Temperature	0–40°C during operation, away from direct sunlight
	Display Size	7-inch wide LCD with touch panel
	Dimensions / Weight	270 (W) × 167 (H) × 103 (D) mm, 3.6 kg including one battery
	Case	IP66-rated for dust and water resistance, aluminum alloy body with protector
	External Interface	Card slot : SD memory card

Pass/Fail Area Display, Correction Function



Note 1: The information contained in this catalog is provided for reference purposes only to describe the general characteristics and performance of our products and services, and does not constitute any warranty or guarantee.

Note 2: This product is designed to Japanese specifications. Before selling or using this product outside Japan, please confirm all applicable laws, regulations, and other requirements in the destination country or region and ensure full compliance with them.



Safety Precautions

Please read the instruction manual carefully before using the SH-69 and follow all instructions for proper use.

Please contact us to determine whether your product can be measured using the SH-69.



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