ACA RoQ Handheld

PORTABLE ROLL HARDNESS MEASUREMENT

R.A.M. Realtime Application Measurement GmbH



MEASURE ROLL QUALITY OBJECTIVELY

The ACA RoQ Handheld measures the hardness profile of individual rolls – parent rolls before the winder as well as customer rolls after slitting. Soft cores, soft edges and hardness variations become visible immediately.

Key Features

- **Measuring principle:** A solenoid drive with two coils – without a mechanical spring – strikes a hammer on the roll with constant energy; the deceleration is measured in g.
- **Instant result:** Hardness profile as a line or bar chart on the 4.3″ touchscreen, with key figures, relative or absolute Y-axis and adjustable limits.
- **Simple operation:** Switch on, scan the barcode, guide along the roll – arrows show the correct speed. The append function creates combined profiles.
- **Open data:** Stored in the internal flash memory; transfer via USB with RoQ Tool – automatically and without an internet connection – or over Wi-Fi via a REST interface directly into your mill system.

TECHNICAL SPECIFICATIONS

Category	Property	Specifications
General	Dimensions (L × W × H)	180 × 80 × 122 mm
	Weight	1.4 kg
	Display	4.3″ touchscreen
	Barcode reader	integrated camera
Measurement	Measuring principle	Deceleration (g) at constant collision energy
	Measuring range	5–130 g
	Measuring frequency	adaptive, max. 50 Hz
	Profile resolution	1 mm
Power	Battery	Li-ion, 4500 mAh
	Operating time	approx. 2.5 h continuous measurement
	Charging	via USB
Data and software	Data storage	internal flash memory
	Interfaces	USB, Wi-Fi
	Device software	proprietary operating system with scripting, Wi-Fi REST interface
	PC software	RoQ Tool – data transfer via USB, no internet connection required
	Data format	text files (profiles, key figures)
Application	Materials	plastic films, paper, nonwovens, aluminium foil
	Rolls	parent rolls before the winder, customer rolls after slitting
Service	Manufacturer	ACA Systems
	Sales and service	R.A.M. GmbH: commissioning, training, calibration, maintenance, spare parts

Manufacturer and documentation

Manufactured by ACA Systems; sales, commissioning, calibration, maintenance and spare parts: R.A.M. GmbH, Flörsheim am Main, Germany.

The manufacturer’s declaration of conformity and operating instructions are available on request.

All data refer to the standard configuration. Values are nominal unless a tolerance is stated. Subject to technical change without notice; this datasheet is not a guarantee of properties.

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