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Data Sheet

August 15, 2026

AMERICAN HOFMANN

American Hofmann HXR-11.1SEK Balancer Controller

The American Hofmann HXR-11.1SEK Balancer Controller is a replacement controller unit designed for use with compatible American Hofmann wheel balancers. It provides the necessary interface and control functions for operating the wheel balancer, including parameter settings, measurement display, and motor control. It ensures accurate and efficient wheel balancing operations.



MODEL

**American
Hofmann HXR-
11.1SEK**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HXR-11.1SEK

LISTING

<https://aumictechlabs.com/products/hxr-11-1sek-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The American Hofmann HXR-11.1SEK Balancer Controller is a dedicated control interface component for compatible American Hofmann wheel balancing machines. It governs parameter configuration, measurement display, and motor command functions to deliver precise balancing operations across multiple balancing modes. Technical Specifications Balancing Modes: Two-plane, single-plane, and couple balancing Transducer Type: Piezo-electric Measurement Principle: Force-measuring balancing machine Suspension System: Hard-bearing suspension with permanent calibration Motor Control: Variable-speed motor management Work Support: Fully

traversable along rails Shipping Weight: 30 lbs/ea

Key Features

- Real-time measurement data display for operator feedback
- Parameter configuration interface for balancing setup and adjustment
- Integrated motor control with variable-speed capability
- Permanent calibration system integrated with hard-bearing suspension architecture
- Communications interface for system integration

Typical Applications

The HXR-11.1SEK controller supports wheel balancing operations requiring precision unbalance detection and correction. Applicable to production environments where two-plane, single-plane, or couple balancing modes are needed. Suitable for integration into automated balancing equipment systems.

Compatibility & Integration

Designed for use with compatible American Hofmann 11.1 series wheel balancing machines. Functions as a communications interface component within larger balancing automation systems. The controller manages the hard-bearing suspension system's permanent calibration feature and directs variable-speed motor operation across the machine's traversable work supports.

HXR111SEK Characteristics / Specifications

PARAMETER	VALUE
Model	HXR-11.1SEK
Host Machine	American Hofmann 11.1 horizontal balancer
Instrument Type	balancer controller
Drive	belt drive on 11.1 datasheet
Max Rotor	8 kg (18 lb) normal operating weight on 11.1 datasheet
Max Pedestal	4 kg (7.5 lb) per pedestal on 11.1 datasheet
Min Rotor	0.03 kg (1 oz) on 11.1 datasheet
Max Diameter Bracket	200 mm (7-7/8 inch) over underdrive bracket on 11.1 datasheet
Max Diameter Bed	250 mm (10 inch) over rest of machine bed on 11.1 datasheet
Max Bearing Length	460 mm (18 inch) between bearing centers on 11.1 datasheet
Min Bearing Length	13 mm (0.5 inch) between bearing centers on 11.1 datasheet
Cg Accuracy	less than or equal to 0.25 um (10 uin) CG displacement on 11.1 datasheet
Sensitivity	less than or equal to 0.25 gmm/kg on 11.1 datasheet
Reduction Ratio	95 percent unbalance reduction on 11.1 datasheet
Motor	fractional hp AC on 11.1 datasheet
Mains 60hz	115 V single-phase 60 Hz on 11.1 datasheet
Mains 50hz	230 V single-phase 50 Hz on 11.1 datasheet
Service	15 A on 11.1 datasheet
Transducers	piezo-electric force measuring
Suspension	hard-bearing, permanent calibration
Planes	two-plane, single-plane, and couple
Supports	work supports fully traversable along rails
Manufacturer	American Hofmann
Literature	American Hofmann 11.1 datasheet as listed with HXR-11.1SEK controller
Family	Hofmann 11.1 hard-bearing balancers

PARAMETER	VALUE
Form Factor	balancer electronics / controller
System Role	unbalance measurement and correction display
Brand Lineage	American Hofmann
Queue Title	American Hofmann HXR-11.1SEK Balancer Controller
Speed Class	balancing speed rotor dependent on 11.1 datasheet

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Suspension	hard-bearing, permanent calibration
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PARAMETER	VALUE
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System Role	unbalance measurement and correction display
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Queue Title	American Hofmann HXR-11.1SEK Balancer Controller
Speed Class	balancing speed rotor dependent on 11.1 datasheet

Notes

From American Hofmann 11.1 datasheet rows listed with the HXR-11.1SEK controller (8 kg max rotor, 0.25 um CG, 0.25 gmm/kg, 95 percent URR, 115/230 V, 15 A). Controller firmware screens and connector pinout are on the HXR-11.1SEK drawing.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.