

## DATA SHEET

# QAII C Mechanical Qualification Station

The QAII C Mechanical Qualification Station measures vibration, spindle rotational speed (RPM), shaft and vessel perpendicularity, wobble, vessel plate level and vessel/bath temperatures using a set of electronic sensors. The sensors include a wobble gauge, a magnetic tachometer, an electronic level sensor and a calibrated temperature probe. The vibration device is capable of measuring acceleration ( $\text{mm}/\text{sec}^2$ ), velocity ( $\text{mm}/\text{sec}$ ), displacement ( $\text{mm}$ ) and frequency ( $\text{Hz}$ ).



### Key Benefits

- ▶ **Convenient.** Digitally measure the physical parameters of paddle and basket components with this easy-to-use, portable instrument.
- ▶ **Data retention.** Manage and retain test data via printouts from the onboard printer or through Microsoft® Excel spreadsheets. Data includes serial numbers, parameters and space for operator and approval signatures.
- ▶ **Compliant.** Designed for a 21 CFR Part 11 environment, be confident knowing that your physical parameter measurements conform to USP, FDA and ASTM standards for Mechanical Qualification, and are measured with NIST-traceable, calibrated sensors.



## QAII C Specifications

Voltage requirements	115 V, 60 Hz 230 V, 50 Hz
Current requirements	115 V–0.5 Amp 230 V–0.5 Amp
Wobble gauge accuracy	± 0.02 mm from 0 - 10 mm
Tachometer accuracy	± 0.2 at 20 RPM; ± 0.5 from 30 - 250 RPM
Level sensor accuracy	± 0.2 ° from 0 - 1.5 °
Vibration sensor accuracy	± 0.03 g *
Temperature accuracy	± 0.1 °C from 5 - 50 °C (calibrated range 30.0-45.0 °C)
Battery	7.2-volt, Nickel-Cadmium
Printer	Impact
Dimensions	Height: 18.42 cm (7.25 in.) Width: 22.23 cm (8.75 in.) Depth: 19.69 cm (7.75 in.)
Equipment weight	2.27 kg (5.3 lb), without attachments

\* The vibration sensor is not NIST-traceable and should be used for relative asurements only. The sensor is calibrated statically with respect to gravity. Other instruments should be used if you require measurements under conditions of dynamic vibration.

## Ordering Information

Product Description	Part Number
QAII C station, 115V	12-0550
QAII C station, 230V	12-0560
Carrying case, hard plastic	12-0531
QAII C calibration, with recertification certificates	12-7500
Magnetic upgrade, calibration plus sensor	12-7505
Upgrade, QAII to QAII C	12-0580
Upgrade, top cover and overlay for QAII	12-0585

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