

**Specifications**

(Reference temperature 23°C ± 1°C)

**Input:**

Input Voltage Range: 10mV...10V  
 Input Impedance: 100kΩ

**Signal Output:**

Output Frequencies: 3000Hz / 3150 Hz  
 Automatic Selection of Frequency  
 Short Term Stability: 5x10<sup>-5</sup>  
 Long Term Stability: 5x10<sup>-4</sup>  
 Output Voltage: 1V<sub>rms</sub>, nominal  
 Output Impedance: 1.5kΩ  
 Distortion: <5%

**Measurement Ranges:**

**Drift**

Capture Range: 2400 to 3780Hz  
 Measuring Range: 19.99%, Resolution 0.01%

**W&F**

Measuring Range: 1.999%, Resolution 0.001%  
 Accuracy (static): 6% of displayed value plus 4 digit

**Weighting Filter**

DIN/JIS (DIN 45700)  
 LIN 0.1 to 300Hz

**Drift:** <1.0Hz

**Test Standard:**

When measuring according to DIN, JIS or LIN, the result will be displayed according to the **2-Sigma method**

**Measurement Time (W&F):** 5s, nominal

**DC-Output:**

Output Voltage (W&F): 1V/0.1%  
 Output Voltage (DRIFT): 1V/1%  
 Output Impedance: 300Ω

**AC-Output 1:** (rear side of HM8001-2)

Output Voltage: 0.1V<sub>pp</sub> (corresponds to 0.1% W&F error)  
 Impedance: 1kΩ  
 The signal is not valuated

**AC-Output 2:** (rear side of HM8001-2)

Output Voltage: 0.1V<sub>pp</sub> (corresponds to 0.1% W&F error)  
 Impedance: 1kΩ  
 The signal is valuated according to the selected operating mode.  
 This output is available in a HM8001-2 when equipped with option HO801.

**General Information:**

**Supply Voltages** (from HM8001):  
 +6V / 230mA  
 -9V/ 110mA

**Power Consumption:** 2.37W, nominal

**Operating conditions:** 0°C to +40°C

Max. Relative Humidity: 80%

**Dimensions** (without 22-pin flat connector):

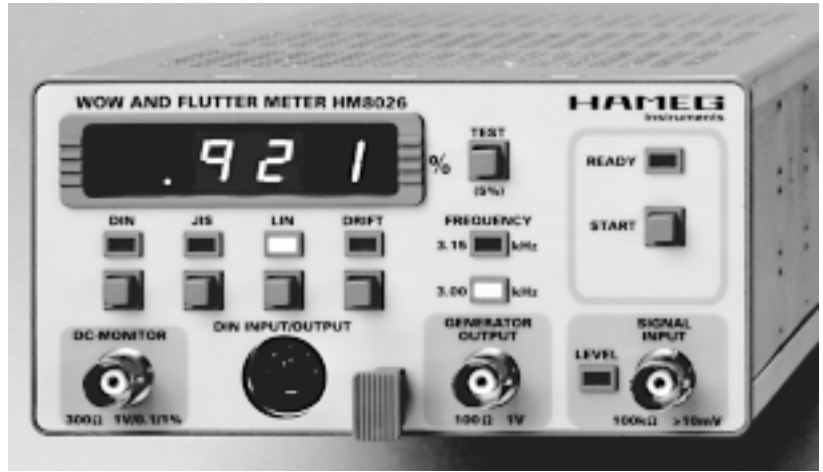
**W** 135, **H** 68, **D** 228mm

**Weight:** approx. 650g

Values without tolerances are meant to be guidelines and represent characteristics of the average instrument.

Subject to change without notice

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**Wow & Flutter Meter HM 8026**

- **2 Measurement Frequencies: 3150Hz and 3000Hz**
- **Resolution 0.001% for W&F; 0.01% for Drift**
- **3 Digit LED Display**
- **2-Sigma Mode for W&F**
- **Monitor Outputs for FFT Analyzer and Recorder**
- **Reference Signal for Personal Recordings**

The **W&F Meter HM8026** was developed for the measurement of speed drift, wow and flutter in analog magnetic recorders, and phonograph turntables. Measurements can be performed in compliance with either **DIN/IEC** or **JIS**. The latest releases of proposals for the DIN-standards have been incorporated. The meter's operating range permits measurements according to standards requiring either **3,000Hz** or **3,150Hz** test tapes.

Operation of the W&F Meter has been kept consistently simple and user-friendly to facilitate effective and error-free operation. Required combinations of **standards and test frequency** are automatically selected, which eliminates the need for separate calibration. Wow and Flutter measurements are done automatically, when the start button is depressed. The measured value is stored and displayed on the three digit LED display. A self-test function permits checkout of the accuracy of the instrument.

A crystal-controlled reference signal allows recordings to be made that meet the requirements of **DIN 45500**. In addition, the **HM8026** is equipped with two **AC monitor outputs** for connecting an **FFT** analyzer or a storage oscilloscope.

**Accessories supplied**  
 Operators Manual  
 Adaptor cable for connection to RCA-Cinch jacks

**Optional accessories**  
 BNC test cable HZ33, HZ34  
 Adaptor BNC-Banana HZ20