### REED INSTRUMENTS

#### Data Logging Sound Level Meter

Model SD-4023

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**Features**

- High accuracy of ±1.4 dB meets Type 2 standards
- Triple range measurement (50dB dynamic range)
- A & C frequency weighting
- Fast & Slow time weighting
- Real time data logger with integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Large, easy-to-read backlit LCD display
- Peak hold, Data hold and Min/Max hold
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes batteries

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**Specifications**

#### Measuring Ranges:

- 30-130 dB
- Low: 30-80dB
- Med: 50 -100 dB
- High: 80 -130 dB
- Full: 30-130 dB

#### Dynamic Range:

- 50 dB [in each range]

#### Accuracy:

- 31.5Hz ± 3.5 dB, 63 Hz ± 2.5 dB,
- 125 Hz ± 2.0 dB, 250 Hz ± 1.9 dB,
- 500 Hz ± 1.9 dB, 1 kHz ± 1.4 dB,
- 2 kHz ± 2.6 dB, 4 kHz ± 3.6 dB,
- 8 kHz ± 5.6 dB

#### Resolution:

- 0.1 dB

#### Response Time:

- 500ms

#### Frequency Range:

- 31.5 Hz to 8 kHz

#### Frequency Weighting:

- A, C

#### Time Weighting:

- Fast/Slow (200ms and 500ms)

#### Microphone:

- 0.5” (12.7mm) electret condenser

#### Display:

- 4-digit LCD

#### Backlit Display:

- Yes

#### Data Hold:

- Yes

#### Min:

- Yes

#### Max:

- Yes

#### Alarm Indicators:

- Under and Over (visual on-screen)

#### Datalogging Capabilities:

- Yes

#### Real-Time Clock and Date Stamp:

- Yes

#### Selectable Sampling Rate:

- Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s)

#### External Memory:

- Yes, expandable up to 16Gb with SD card (optional)

#### Auto Shut-off:

- Yes (after 10 minutes/off)

#### Kick Stand:

- Yes

#### Tripod Mountable:

- Yes

#### Low Battery Indicator:

- Yes

#### Power Supply:

- 6 x AA batteries or AC Adapter (optional)

#### Output:

- Yes (AC)

#### PC Connectivity:

- USB Cable (optional)

#### Software:

- SW-U801-WIN Software (optional)

#### Software OS Compatibility:

- Windows XP / Vista / 7

#### Product Certifications:

- CE, IEC 61672-1 Class 2

#### Operating Temperature:

- 32 to 104°F (0 to 40°C)

#### Storage Temperature:

- 14 to 140°F (-10 to 60°C)

#### Operating Humidity:

- 10 to 90%

#### Dimensions:

- 9.7 x 2.7 x 1.8” [245 x 68 x 45mm]

#### Weight:

- 17.3oz (489g)

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**Model** | **Description**
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SD-4023 | Data Logging Sound Level Meter
R8090 | Sound Calibrator
SB-01 | Windshield Ball
USB-01 | USB Cable
SW-U801-WIN | Data Acquisition Software
SD-4GB | 4GB SD Memory Card
AP-9VA-110V | AC Adapter
R1500 | Lightweight Tripod
CA-05A | Soft Carrying Case
SD-4023-NIST | Data Logging Sound Level Meter & NIST

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**Certification**

Available!

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**Reed Instruments**

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