

Mag3x Mini MagStripe Analyzer

Small Footprint

Just 10.5" x 8.5" x 2.5"
and 4.5 pounds



Mag3x Mini Magstripe Analyzer

Q-Card's Mag3x Mini magnetic stripe analyzer is a lightweight, industrial-grade piece of equipment for portable card testing. It is ideal for card manufacturers and capable of testing a wide range of cards, including Encoded ID1 Plastic Cards, ISO tracks 1, 2 and 3, and Embossed/Pre Embossed. The Mag3x Mini system comes standard with insertion transport, Windows compatible testing software, and user manual.

Measurement repeatability for signal amplitude is $\pm 5\%$.

Tests wide range of cards:

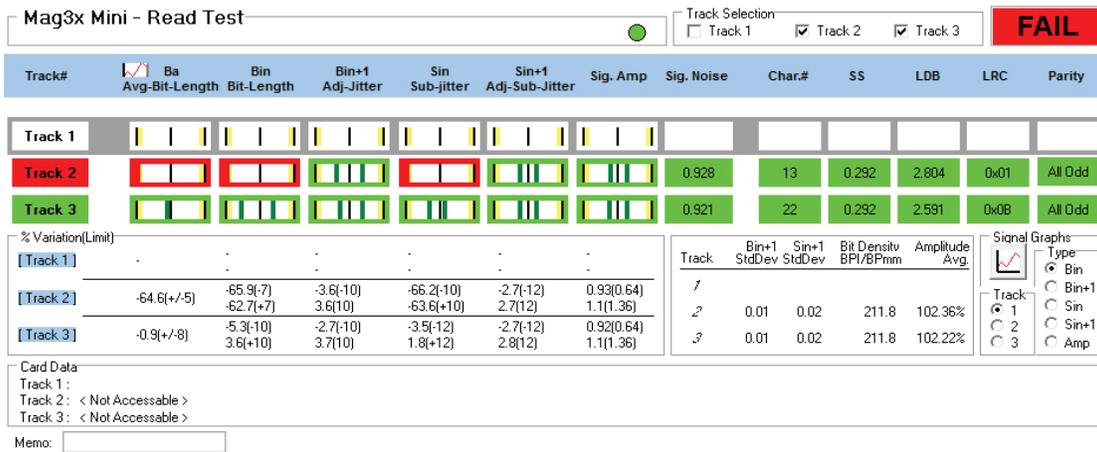
- Encoded ID1 Plastic Cards
- ISO tracks 1, 2 and 3
- Embossed / Pre Embossed
- English and Chinese language software available
- Windows compatible
- Simple graphical displays show pass or fail for each card

- Save detailed data on each card for future analysis
- 12-bit resolution
- Fast pass/fail tool for production line
- Convenient, mini form factor
- Easy-to-use reporting
- Serviceable by end user
- Calibrate at your own facility
- One click testing
- Fast 100K samples/second

Mag3x Mini Software Analysis Tools

The Mag3x Mini has a robust software platform for the analysis of magnetic stripe cards. Tools include the display of raw data, track data, parity and LRC errors. Show track density, total bits and average jitter as well as graph bit density variations along stripe, and much more. Able to save data to disk in word processor or spreadsheet formats. Below are some sample screen shots.

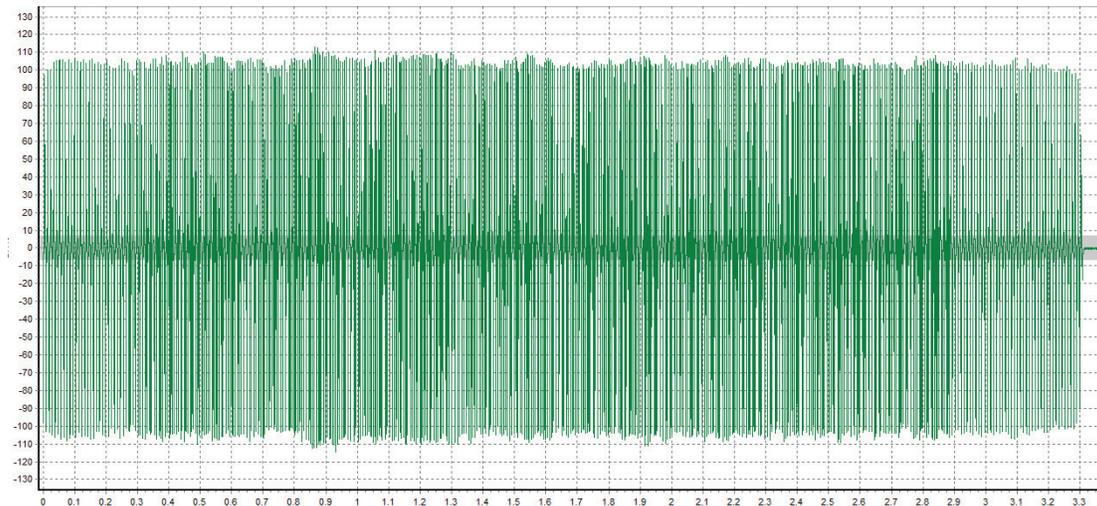
- Sample Read Test with Failures



- Sample Amplitude Graph



- Sample Waveform Plot



Mag3x Mini Features

Standard Equipment Provided:

- Light industrial-grade testing system with insertion transport, Windows compatible testing software, and user manual.
- Measurement repeatability for signal amplitude is $\pm 5\%$.

Encoding, amplitude analysis, etc:

- Perform ISO amplitude test of encoded card (vs UR) with peak, average and standard deviation measurements, absolute amplitude plot and waveform.
- Test both high coercivity and low coercivity stripes.
- Perform ISO tables 2, 3, 5, 6 jitter & bit length measurements.
- Display of track data, ABA (BCD), IATA (ASCII) or ISO-8484 (bank savings books) at various densities.
- Graph absolute bit length, bit-to-bit and subinterval jitter.
- Show density, total bits and average jitter for entire track.
- Display parity and LRC errors.
- Report/graph bit density variations along stripe.
- Reload data at later time for additional analysis.
- Display raw data for detailed analysis, such as with proprietary or nonstandard formats.

Output Capabilities:

- View results on your computer display.
- Print all test results in black and white or color.
- Save results to disk in word processor or spreadsheet format.
- Save/reload amplitude/waveform to/from disk.
- Save/reload jitter and density data to/from disk.

Other Features:

- Capable of creating tests for custom card specs.
- Multi-language support available.

Accessories Included



- Amplitude Calibration Card



- Start Sentinel Calibration Card



- TC-P HiCo Reference Card



- Q-Card Magnetic Head Cleaning Cards



Convenient carrying case.

Specifications

Electrical

- USA: 110 V / 60HZ
- Europe / Asia: 220 V / 50Hz

For Data Acquisition / Software Operation

- PC Computer with Windows-based operating system required

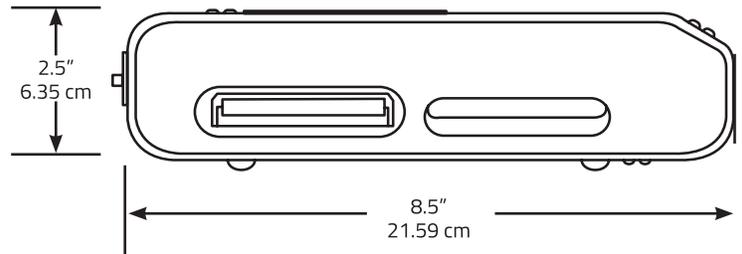
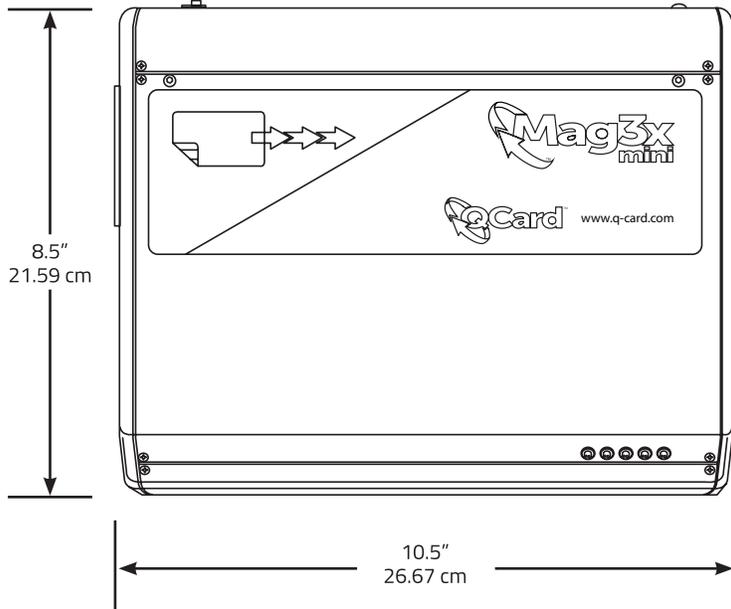
Weight

- 4.5 pounds

Ordering Details

Part #	Description
906689	Mag3x Mini Magstripe Analyzer
QCA1035	Factory Service Calibration
906716	DIY Calibration Kit
QCA1009	Amplitude Calibration Card
QCA1010	Start Sentinel Calibration Card
QCA1012	TC-P HiCo Reference Card
TC-CLEANING-DS	Cleaning Card

Dimensions



301 Reagan Street
Sunbury, PA 17801 USA
Phone: 570.286.7447
Fax: 570.286.2649
www.q-card.com

Q-Card is



ISO 9001
Compliant

800-717-8007