



## CardVibro Air2 Series (VM-2012/VM-2012C)

### Specifications

| Item                          | Specification  |
|-------------------------------|--|
| Interface                     | Wireless LAN : IEEE802.11b, Compliant to WiFi,<br>128bit WEP, WPA/WPA2   |
| Wireless communication mode   | Infrastructure mode  |
| Built-in memory capacity      | 4Mbit x 16bank   |
| Power supply                  | 2 pcs. of AAA battery  |
| Current requirement           | During measurement (at the time of WiFi use) : approx. 150 mA  |
| Operational temperature range | +5 ° C to 50 ° C (Guaranteed by attached battery only)   |
| Operational humidity range    | 30 to 90 % (Non-condensing)  |
| Sampling frequency            | Maximum 76.8 kHz   |
| AD resolution                 | 16 bit   |
| Tablet OS                     | Android 4.1 or later<br>*Only approved by IMV<br>*Refer to IMV website for the latest recommended tablet information.<br><a href="http://www.imv.co.jp/products/vibrograph/measure/air2/">http://www.imv.co.jp/products/vibrograph/measure/air2/</a> |

CardVibro Air 2

#### Standard Type (Pickup is built-in)

VM-2012



| Item                             | Specification                           |
|----------------------------------|---|
| Mass                             | Approx. 145 g                           |
| Size                             | 40.5 mm (W) × 41.5 mm (D) × 88.6 mm (H) |
| Sensor                           | Piezoelectric accelerometer             |
| Acceleration frequency range     | 10 to 10000 Hz                          |
| Velocity frequency range         | 10 to 1000 Hz                           |
| Displacement frequency range     | 10 to 150 Hz                            |
| Maximum measurement acceleration | 500 m/s <sup>2</sup>                    |

#### ▶ VM-2012 Product composition

|                      |   |
|----------------------|---|
| Standard Composition | Air 2 sensor unit : VM-2012                                   |
|                      | USB AC adapter : HK-AC001UW                                   |
|                      | micro USB cable : USB-M201/BK                                 |
|                      | AAA NiMH battery : GP100AAAH CJU2                             |
|                      | Probe for pickup : VB-2001                                    |
| Option               | Data management software : DB-2012                            |
|                      | Equipment diagnosis software : DS-2013Tr                      |
|                      | Carrying case : B-2012  |
|                      | Strong magnet : MH-202R                                       |
|                      | Strong magnet (for spherical surface) :<br>MH-202RRecommended |
|                      | Long probe : PI-2001  |
|                      | USB plug bracket : PB-2012                                    |

CardVibro Air 2

#### Connector Type (Pickup is external attachment)

VM-2012C



\*Connector type needs to connect with an optional pickup.

| Item                | Specification                         |
|---------------------|---------------------------------------|
| Mass                | Approx. 130 g (excluding a sensor)    |
| Size                | 40.5 mm (W) × 41.5 mm (D) × 88 mm (H) |
| Connecting sensor   | Voltage output sensor, ICP sensor     |
| Voltage output port | -5 V, +5 V                            |
| ICP port            | + 24 V (2 mA)                         |
| Voltage input port  | ± 2.5 V                               |
| Sensor input IF     | HR10 A (round type pin 6)             |

#### ▶ VM-2012C Product composition

|                      |  |
|----------------------|--|
| Standard composition | Air 2 sensor unit : VM-2012C                               |
|                      | USB AC adapter : HK-AC001UW                                |
|                      | micro USB cable : USB-M201/BK                              |
|                      | AAA NiMH battery : GP100AAAH CJU2                          |
|                      | Data management software : DB-2012                         |
| Option               | Equipment diagnosis software : DS-2013Tr                   |
|                      | Carrying case : B-2012                                     |
|                      | Long cable 3 m : CE-2012-3m                                |
|                      | Long cable 10 m : CE-2012-10m                              |
|                      | Piezoelectric acceleration pickup : VP-2012A               |
|                      | Low frequency vibration measurement pickup :<br>VP-2012PS1 |
|                      | Charge amplifier : CA-2012                                 |
|                      | Sensor input cable : CC-2012I                              |
|                      | Sensor input cable : CC-2012V                              |
|                      | USB plug bracket : PB-2012                                 |

\*Please contact us if you like to use your own optional product.