

**world first**

**ACO's**

smaller than a cellular phone

**Compact size Vibration meter**

Watch, Listen, Measure, Like a noted Doctor of Industrial Machinery !



3 mode measurements,  
Acceleration, Velocity, Displacement

ACO's Compact size  
Portable Vibration meter

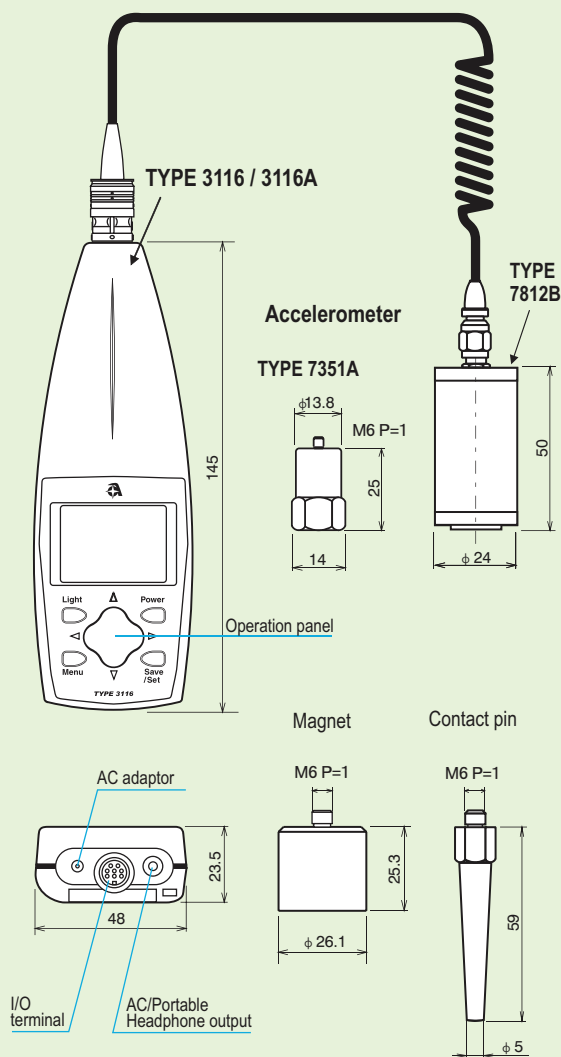
**TYPE 3116 /  
3116A**



Challenger for your future needs

**ACO**

## Compact size Vibration Meter TYPE 3116 / 3116A



## Specification

|                                         |                                                                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Measurement range                       |                                                                                                                  |
| Acceleration (ACC)                      | : 0.02~200m/s <sup>2</sup> RMS                                                                                   |
| Velocity (VEL)                          | : 0.02~200mm/s RMS                                                                                               |
| Displacement (DISP)                     | : 2~2000μm EQ p-p                                                                                                |
| Frequency range                         |                                                                                                                  |
| Acceleration (ACC)                      | : 3Hz~10kHz                                                                                                      |
| Velocity (VEL)                          | : 10Hz~1kHz (Compliant with JIS B0907-1989)                                                                      |
| Displacement (DISP)                     | : 10Hz~400Hz                                                                                                     |
| Measurement range                       |                                                                                                                  |
| Acceleration (ACC)                      | : 20, 200m/s <sup>2</sup> RMS                                                                                    |
| Velocity (VEL)                          | : 20, 200mm/s RMS                                                                                                |
| Displacement (DISP)                     | : 200, 2000μm EQ p-p                                                                                             |
| Display characteristics                 |                                                                                                                  |
| Acceleration (ACC)                      | : RMS, EQ Peak, Peak                                                                                             |
| Velocity (VEL)                          | : RMS, EQ Peak, Peak                                                                                             |
| Displacement (DISP)                     | : RMS, EQ Peak, EQ p-p Peak<br>EQ Peak=RMS × $\sqrt{2}$ , EQ p-p=EQ Peak × 2                                     |
| Dynamic characteristics (Time constant) | : RMS, EQ Peak, EQ p-p: 1s<br>Peak: 50msec (rise) / 3s (decay)                                                   |
| Liquid crystal display                  |                                                                                                                  |
| Display                                 | : LCD with backlight 128 × 64 dot                                                                                |
| Hold                                    | : Data hold                                                                                                      |
| Digital display                         | : 4digits, Display Period: 1s or 2s (selectable)<br>(Average of 10 data at 100ms, 1s<br>or 20 data at 100ms, 2s) |
| Bar - graph                             | : 0~100%                                                                                                         |
| Warning (Overload)                      | : [Over] is displayed for full scale                                                                             |
| Battery                                 | : 4-level residual display                                                                                       |
| Data memory                             | : Max.256, 4kB                                                                                                   |
| Output Terminal                         | : AC on a Menu screen/Portable Headphone<br>Change selection                                                     |
| AC Output                               | : Output Voltage : 1Vrms (FS)<br>Load resistance : more than 100kΩ                                               |
| Headphone Output                        | : Vibration sound monitor by exclusive Portable<br>Headphone With volume function                                |
| Display precision                       | : ±5%                                                                                                            |
| I/O Terminal                            | : Data output for PC and Direct output for printer<br>Interface : RS-232C                                        |
| Operating Temperature Range             | : Temperature : -10~+50°C<br>Humidity : 30%~90% (no condensing)                                                  |
| Battery Type and Life                   | : 2 Alkaline Cells type LR03 Approx.12 hours<br>or AC adapter                                                    |
| Size and Weight                         | : 145 (H) × 48 (W) × 23.5 (D)<br>Approx.130g (Include Batteries)                                                 |

### Guarantee

Term for guarantee is twelve months after delivery. Within this term repair is provided for free should a fault occur while the apparatus is being used in the manner prescribed by the manufacturer. Otherwise, a repair fee will be charged.

HOME PAGE URL <http://www.aco-japan.co.jp/>



Challenger for your future needs

**ACO**

**ACO CO.,LTD**

85-1 OHTSUKA, HACHIOJI CITY, TOKYO,  
192-0352 JAPAN  
PHONE 0426-76-4661 FAX 0426-76-5333