

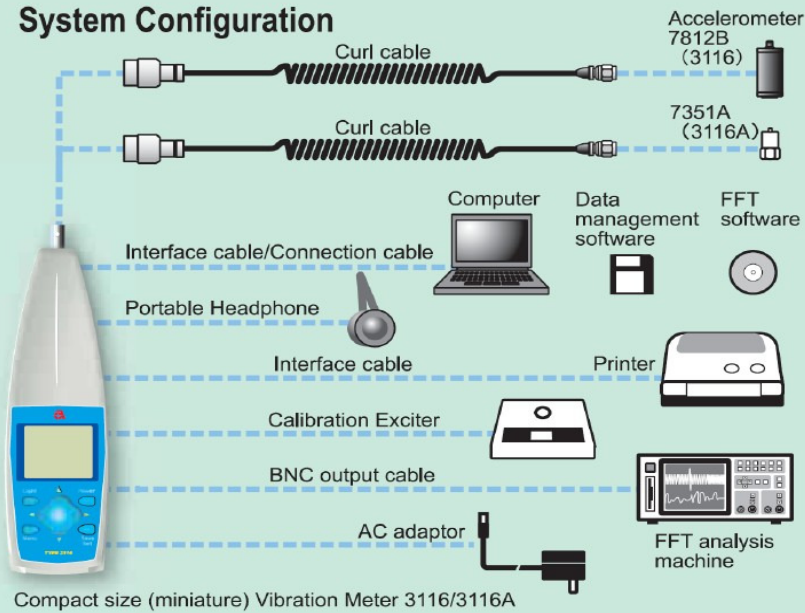
**Compact Size Vibration Meter (Type 3116/3116A)**


<b>Specification</b>	
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 EQ Peak=RMS×√2, EQ p-p=EQ Peak×2
Dynamic characteristics (Time constant)	RMS, EQ, Peak, EQ p-p ; 1s Peak ; 50msec(rise) / 3s (decay)
Liquid crystal display	
Display	: LCD with backlight 128×64dot
Hold	: Data hold
Digital display	: 4digets, Display Period ; 1s or 2s (selectable) (Average of 10 data at 100ms, 1s 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 Change selection
AC Output	: Output Voltage ; 1Vrms (FS) Load resistance ; more than 100kΩ
Headphone Output	: Vibration sound monitor by exclusive Portable Headphone With volume function
Display precision	: ±5%

I/O Terminal	: Data output for PC and Direct output for printer Interface ; RS-232C
Operating Temperature Range	: Temperature ; -10~+50°C Humidity ; 30%~90% (no condensing)
Battery Type and Life	: 2Alkaline Cells type LR03 Approx. 12hours or AC adaptor
Size and Weight	: 145(H)×48(W)×23.5(D) Approx. 130g (include Batteries)



### System Configuration



### Structure

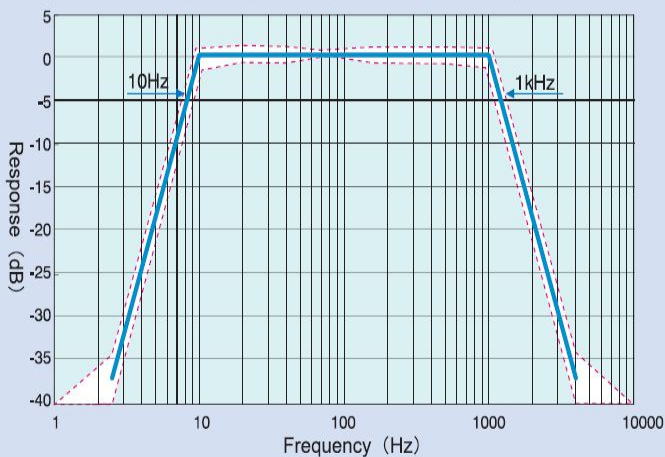
- 1) Compact size (miniature) Vibration Meter TYPE 3116 1
- 2) Accelerometer TYPE 7812B 1
- 3) Curl cable 1
- 4) Magnet 1
- 5) Contact Pin 1
- 6) Alkaline Cells type LR03 2
- 7) Carrying case 1
- 8) Operation Manual 1

### Option

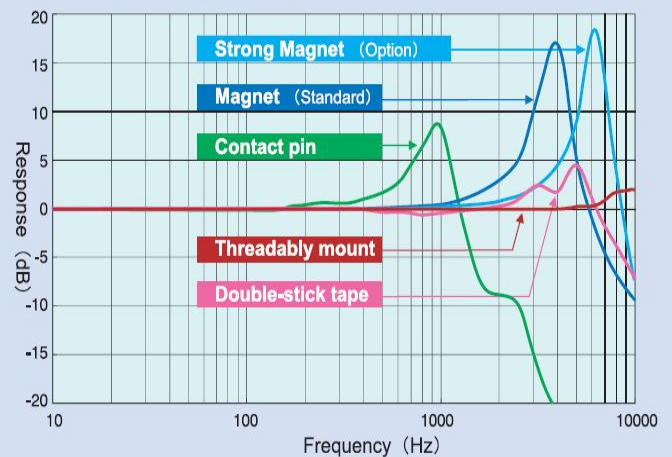
- AC adaptor AC-1046
- Stethoscope (300mm) NA-0134
- BNC output cable BC-0071
- Interface cable (With conversion adaptor) BC-0026
- Printer (a roll of paper included) BS-80TSL
- Data management software NA-0116
- Portable Headphone ATH-FC5 BK (by Audio-technica)
- A plug adapter for headphone PC-260MS (by SONY)
- A high density type Magnet PV-5050
- Stud SS-22M



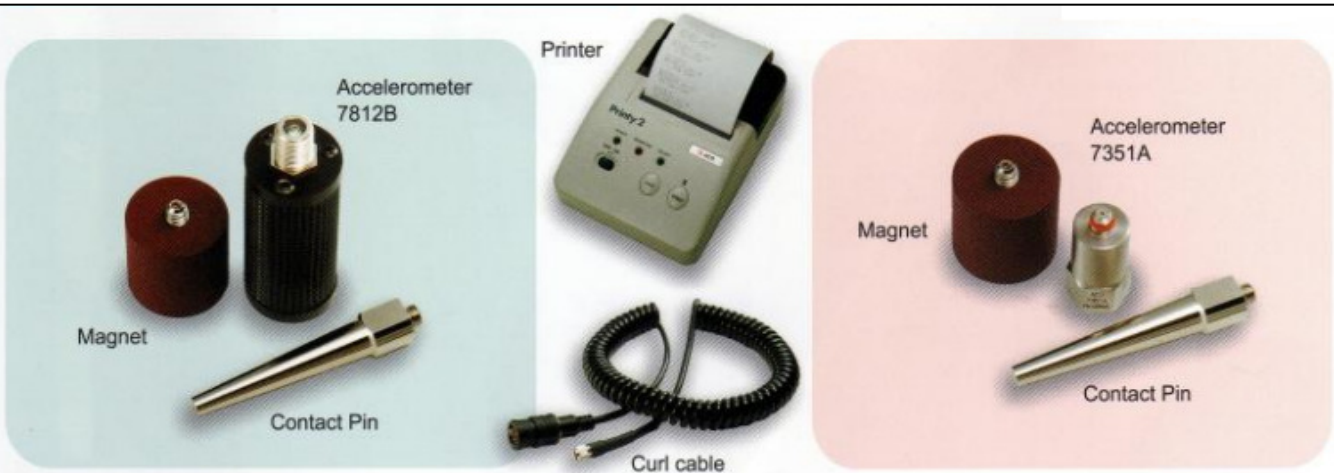
### Velocity(VEL) Frequency Response



### Frequency Response



※The range 10-1kHz shown with a dotted line satisfies JIS B0907~1989, Severity for Rotating Machinery



### Accelerometer Specification

	3116 / 7812B	3116A / 7351A
Main body	Voltage input	Charge input
Sensor	Voltage output type (built-in pre-amplifier)	Charge output type
TYPE	7812B	7351A
Sensitivity	5.0mV/m/s <sup>2</sup> (49.1mV/G) ±3% at 100Hz	5.0pC/m/s <sup>2</sup> (49.1pC/G) ±3% at 100Hz
Transverse Sensitivity	5% or less	5% or less
Frequency characteristics	1Hz~0kHz	1Hz~10kHz
Constant-current power supply	DC7V 0.5~4mA	_____
Temperature range	-10~+60°C	-10~+110°C (Curl Cable) -10~+150°C (The cable for high temperature)
Size and Weight	24Φ × 50 Approx.60g	13.8Φ × 25 Approx.32g

### Compact size Vibration Meter TYPE 3116 / 3116A

