

# FIELD DATA RECORDER

# G-MEN series

## Acceleration & Impact Recorder

### DR01, DR20, DR100

G-MEN is one of the field data recorders with simple functions and has a MEMS type tri-accelerometer and temperature & humidity sensor, lasting up to 50 days by AA battery. There are 3 models that are 2G, 20G and 100G for selection. All devices have a LCD display that can show you the measured peak acceleration immediately. Measured data can be shown and output as csv file via an analysis software on PC .

### Features

- Built in tri-axial acceleration sensor and temperature & humidity sensor.
- Continuous measurement for up to 50days at 10ms sampling \*AA size alkaline battery x 2.
- Memory capacity 65500 point.
- Three different models. (DR01 for 2G, DR20 for 20G, DR100 for 100G)

### Application

- Distribution environment survey of package freight, and quality control.
- Finding problem in distribution environment.
- Distribution traceability survey.



DR-01



DR-20



DR-100

### Specification

Model	DR01	DR20	DR100
Acceleration Range (G)	1 / 2 (changeable)	10 / 20 (changeable)	100
Frequency Range (Hz)	DC ~ 100	DC ~ 100	16 ~ 100
Resolution (G)	0.01 (at 1G) 0.02 (at 2G)	0.1 (at 10G) 0.2 (at 20G)	1
Memory size	65500 points		
Continuous record time	Maximum 50 days (at 10ms sampling, depends on temperature environment / battery performance)		
Sampling rate (ms)	1 / 2 / 5 / 10 / 20		
Temperature & humidity	Temperature : 0 ~ 50°C, Humidity : 30 ~ 90% rh		
Battery	AA battery x 2		
Interface	USB mini-B		
Size (mm)	W60.5 x D33.0 x H75.5		
Weight (g)	135 (include battery)		
OS for software	Windows 7 (32 / 64bit)		
Operating environment (°C)	0 ~ 50 (non condensing)		



## SHINYEI TECHNOLOGY CO., LTD.

Tsukuba Office B47-11, Katoridai, Tsukuba, Ibaraki, 300-2657, JAPAN

Tel: +81-29-848-3571 FAX: +81-29-848-3572

International Sales Office

Shinyei BLDG. 5F, 77-1 Kyomachi, Chuo-ku, Kobe 651-0178, JAPAN

Tel: +81-78-392-6903 FAX: +81-78-332-1619