

Field Data Logger

DER-PRO

Field data logger DER-Pro measures shock and vibration, temperature and humidity in transportation with SD card. Recorded data can be performed with multiple analyses, such as PSD, histogram etc. on PC software that can be downloaded for free.



Features

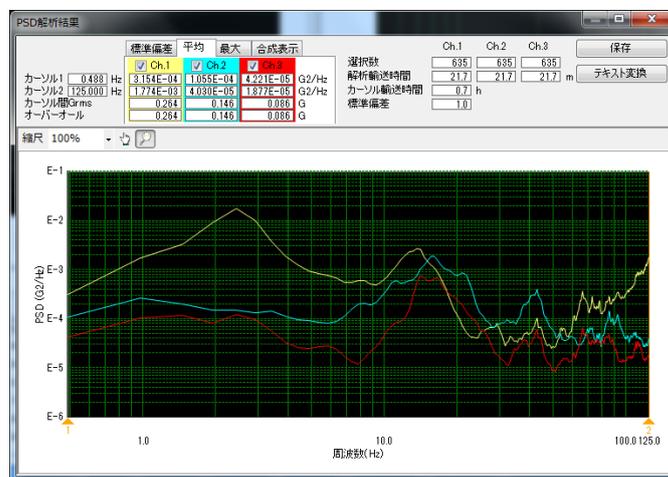
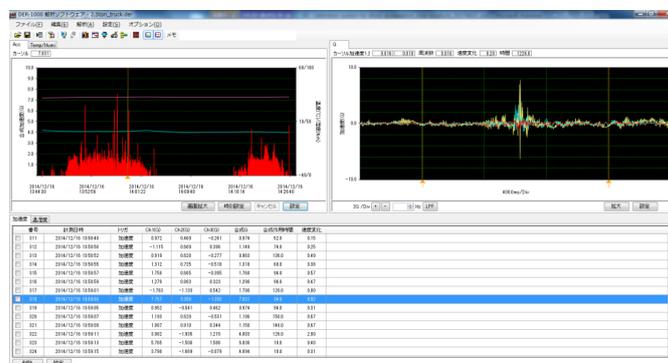
- Built in tri-axial acceleration sensor and temperature & humidity sensor.
- High capacity memory with SD card
- Free analysis software

Application

- Distribution environment survey of package freight, and quality control.
- Development of standards for package freight drop test and vibration test.
- Development of packaging specification.
- Finding problem on distribution environment.
- Distribution traceability survey.

Specification

| | |
|---------------------------|---|
| Model | DER-PRO |
| Memory size | SD card (16GB) ※1 |
| Continuous record time ※2 | 3.5 days by alkaline battery 7 days by lithium battery |
| Trigger mode ※3 | Acceleration / Time |
| Frame length / sampling | 1024 / 1ms |
| Acceleration sensor ※3 | ±16G / ±200G |
| Temp. / Humi. sensor | -20 to 60°C / 5 to 95%rh |
| Battery | AA battery × 2 |
| Connector | USB Type C |
| Display | LCD |
| Size (mm) | 79×79×36 |
| weight (g) | 380g (with Battery) |
| Case material | Stainless and resin |
| Operational temp. (°C) | -20~60 (without dew) |
| Analysis software | Windows 10 (64bit) |



※1 Using recommended SD card
 ※2 Operational temp. 25 degree and depends on measuring condition.
 ※3 Selectable by PC software



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