

Data Recorder for Elastmeter

Elast Recorder



Appearance of the Panel



Photo of Elast Recorder

< Abstract >

This device is a digital indicator / recorder connecting to Elastmeter HQ Sonde (Model-4180), or 4-inch Elast Sonde (Model-4203). This device converts the change in the inner diameter of the rubber tube transmitted through the cable from the sonde and the pressure change amount into an electrical signal and displays them as a digital value. This value is recorded into a microSD memory card. By using a SD card adaptor and a USB conversion adapter, recorded data can be removed from a microSD memory card, and its measurement data can be processed on a PC.

< Feature >

- Available to record measurement data by a microSD memory card.
- Easy to retrieve data by SD card adaptor and process it on a PC.
- Available for Elastmeter HQ Sonde and 4-inch Elast Sonde.
- Easy to read pressure and deformation volume displayed on the digital panel.
- Easy to operate at site, compact and light weight.
- Available for an external power supply (DC 12 V) in case of exhausting an internal battery.

< Specification >

Display

- : Digital Panel Recorder
- : Displaying the Pressure and Deformation on Digital Panel
- : Recordable to a microSD Card (A microSD card is necessary to record data)
- : Displacement (ΔR_n) Range ± 19.99 mm
- : Pressure (P) range ± 19.99 MPa

Record

- : Measurement Ranges
0.1, 0.2, 0.5, 1, 2, 5, 10, 15, 20, and 30 sec.
1, 2, 5, 10, 15, 20, 30, and 60 min.

Power

- : External Direct Power Supply (DC 12 V (± 10 %))
- : Internal Battery (DC 12 V, 7.2 Ah)

Operating Temperature

- : 0 to +50 °C

Dimensions

- : 220 (W) x 105 (H) x 310 (D) mm

Weight

- : 6.2 kg

Operating Hours

- : Approximately 8 hours (in full charge) by the internal battery

< System Diagram >

