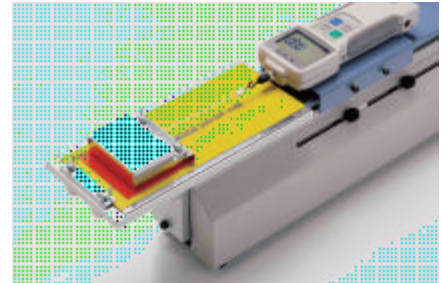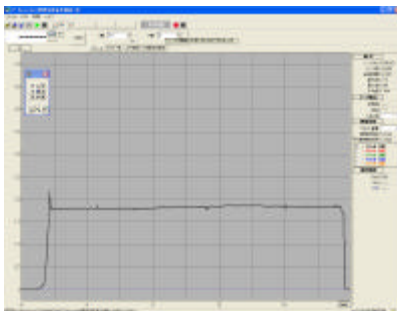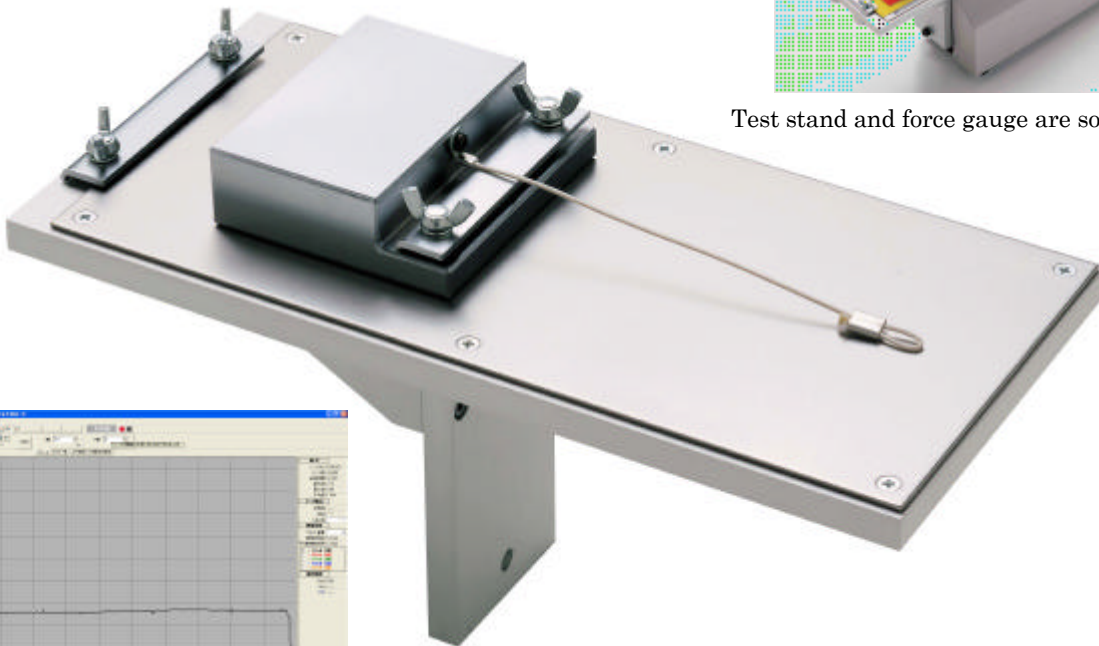
Coefficient of friction tester / COF-10N

Suitable for Coefficient of friction test

Test stand and force gauge are sold separately

Measurement software of accessories

[Applications]
- For analysis surface condition of paper.
- For analysis surface condition of printed matter such as pamphlets.
- For analysis defectiveness paper feed in copy and fax.
- Coefficient of friction measurement of various materials is possible.

[Feature]
- Test stand and force gauge(ZP series) are sold separately which together use.
- COF-10N includes a software which can calculate static friction coefficient and dynamical friction coefficient.
- The COF lose a personal error by adding [speed/length meter (optional)] to the test stands, and there is an extremely high measurement of plasticity.
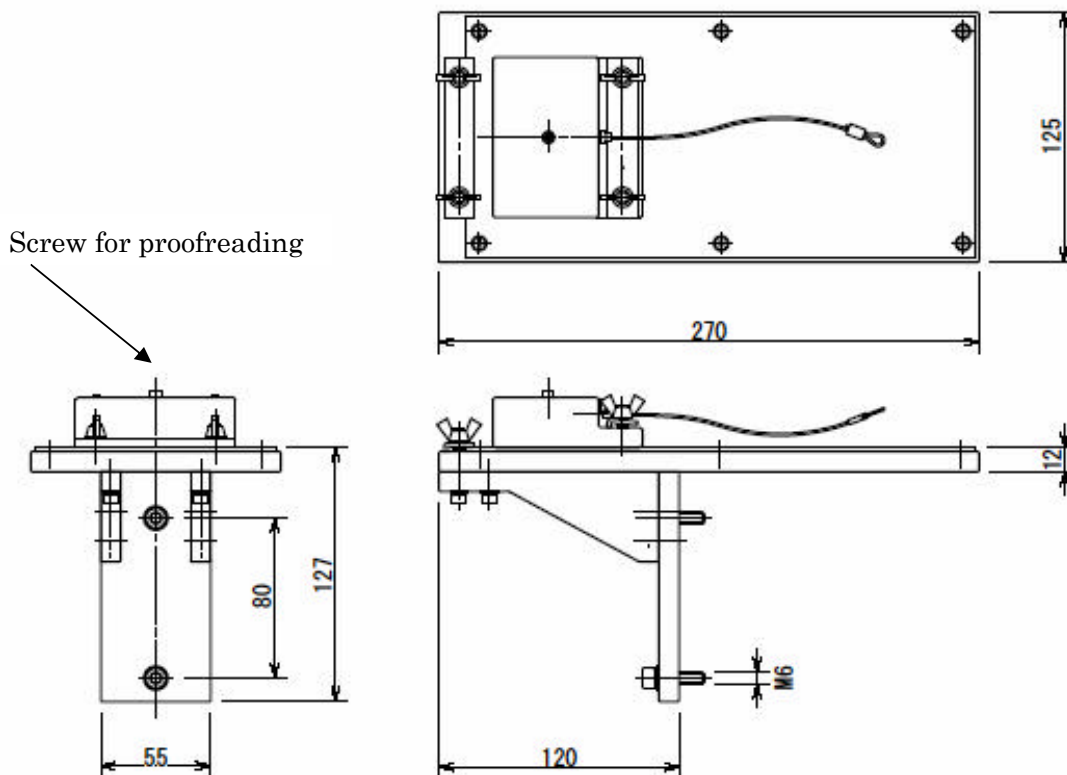
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[Specifications]

Model	COF-10N
Sample thickness	Max 1.5mm When the sample is stuck on the table, thickness does not limit it.
Stroke	Max 150mm
Dimension	See below dimension
Movement weight	Approx.10N
Total weight	Approx.2700kg
Accessories	Measurement software:ZP-Recorder-COF (does not include PC)
Recommended constitution (sold separately)	Test stand MH-1000N-E Force gauge ZP series (max50N)

* Custom table and weight are available as optional.

* Please order with COF-10N-J when ordering only in the table part.

[Dimension]

Screw for proofreading

125

270

127

80

55

12

M6

120

[Complete unit of friction tester]

When complete unit of friction tester which includes motorized test stand and force gauge is needed, please specify the model as the following. (For quick order)

Complete unit model	Contents
MH-1000N-E-COF-**N [1]	-Coefficient of friction tester / COF-10N $\left[\begin{array}{l}\text{Table part / COF-10N-J}\\\text{Software / ZP-Recorder-COF}\end{array}\right]$ -Test stand / MH-1000N-E -Force gauge / ZP series

[1] Please specify the capacity of force gauge in [**]. (max 50N)

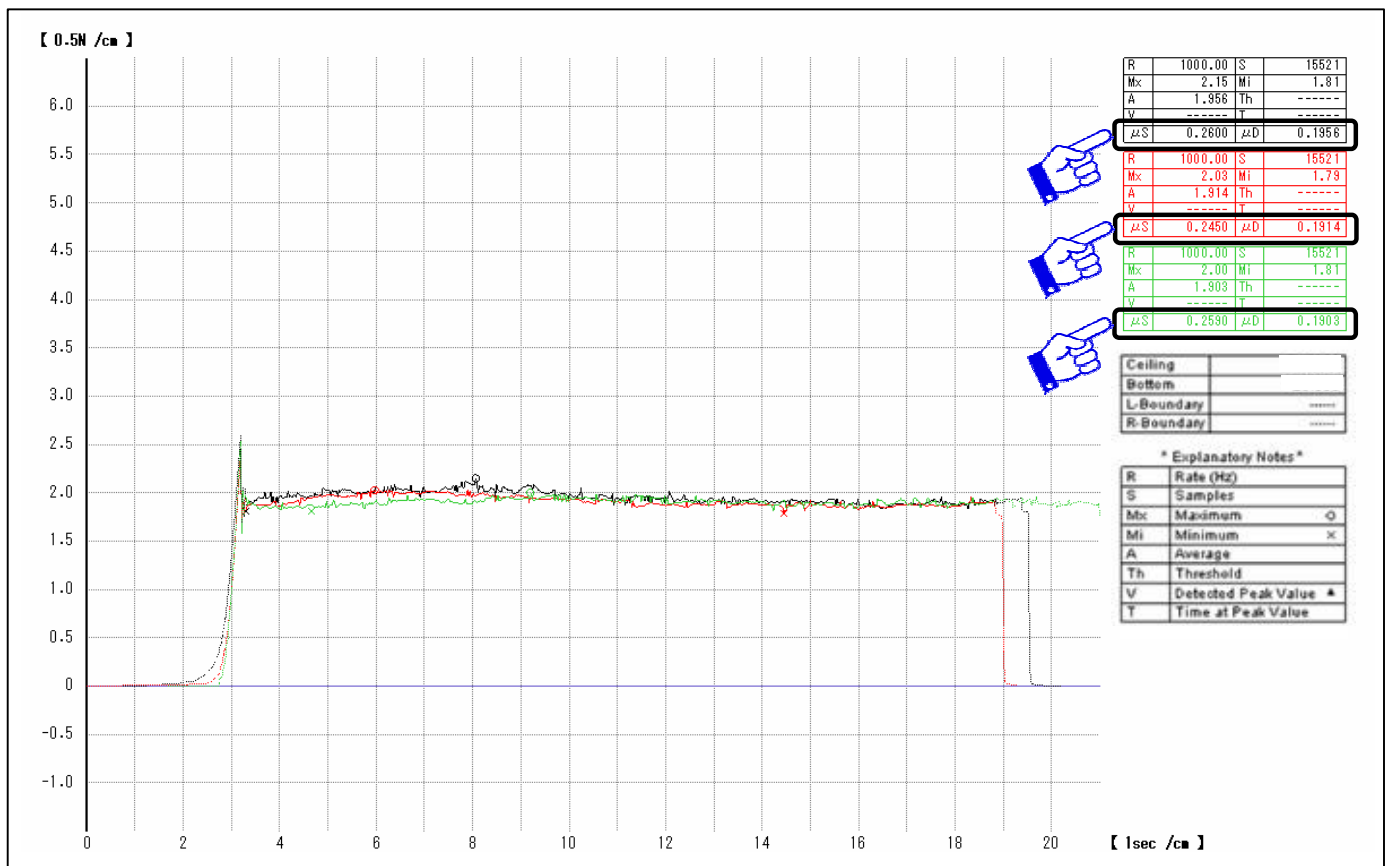2006/5/24

[Measurement software of accessories]

Attached software can make a graph of entire measurement.

This software can also calculate static friction coefficient and dynamical friction coefficient.

(Static coefficient of friction : μS, Dynamical friction coefficient : μD)

[Functions]

- Maximum data input rate is 1000 data / sec
- Possible to display 5 charts simultaneously
- Automatic recording by start and stop trigger values
- Possible to save as .csv file (maximum 65,531 measured data)
- Saving and printing a chart
- Chart alignment function for chart analysis
- Peak detection by threshold value
- Possible to check Statistic data on a chart

graph output sample

[Note]

- All information is subject to change without prior notice.

2006/5/24