

Absorption tester S500



This product is a device that mechanically measures the absorbed dose of powder samples (carbon black, pigments, battery materials, etc.).

To measure, a powder sample is placed in a mixing chamber, and a fixed amount of oil is added dropwise while stirring with two electric rotor blades, detect the torque and calculate the absorbed dose (ml/100g). Due to the change in viscosity.

*Refer to JIS K6217-4:2008, ISO4656, ASTM D2414

Measurement data such as absorbed dose, torque change curve, and temperature in the agitation area are printed out.

Features

Mechanical measurements

Because of mechanical measurements, there is no difference in data between operators. Auxiliary control function for mixing chamber temperature By auxiliary control of the temperature of the mixing chamber, more stable data measurement is achieved.

More compact

By integrating the measuring unit, printer, pump unit, and electrical equipment, we have achieved a compact product.

Various types of powder measurements are possible

It is also possible to measure absorbed doses of not only carbon black but also low-torque powders

(pigments, battery materials, alumina, etc.).

Various liquids can also be used

Carbon black can also be used in addition to DBP (dibutyl phthalate), as well as various liquids such as DOP and flaxseed oil.

Built-in printer for convenient data management

Measurement data can be printed out from the built-in printer, allowing you to check the measurement results in real time. Data can also be sent to a PC using the external communication function.

Uses touch panel

The display screen uses a touch panel, allowing for intuitive operation.

Safety design

In addition to the emergency stop switch on the front of the device, it also has an interlock function for mixing chambers and whether or not there is a lid.

Refueling from a distance is also possible

Refueling from a remote location By using the "Buffer Tank Unit (optional)" you can also refueling from a remote location.