

Gravimetric Water Vapour Permeability Tester GINTRONIC GraviTest Model 6300

With GraviTest the determination of water vapour transmission rates of polymeric films and other sheet materials by gravimetric method becomes mere child's play.

GraviTest offers simple specimen preparation, user-friendly PC-software and the complete automation of the measuring process. This, in combination with the accurate and robust balance, allows for high-precision gravimetric measurement of water vapour permeability, with a minimum of expenditure of time on the user's side.

Re-sealable specimen holders with an integrated seal make wax-sealing of the samples redundant. Assembling the samples into the 6 specimen holders takes a matter of minutes. Naturally, the use of classic sample cups is possible as well. The flexibility of the system knows almost no boundaries. Wet cup, dry cup or multi-layer processes can be carried out trouble-free, at different climate conditions and air speeds, without any modifications.

Through the PC software, which is based on Windows®, all measurement parameters of the samples, like temperature, relative humidity of the air, air speeds as well as the weighing interval, are predefined and then adjusted automatically by the device after the start up of the measuring process. As soon as the measuring conditions correspond to the specified tolerances the specimen holders can be inserted into the apparatus and the measuring process can be started.

The results of the measurement together with the corresponding air pressure will be represented in a chart and stored by the PC software. Thus, each measurement result, together with the parameters of each individual sample are always retrievable and comprehensible. The following errors can thereby be excluded: mismeasurement caused by erroneous reading off of the scales, incorrect record of the measurement results, and missing of the weighing interval. The software is able to export all datas easily to Excel®.

Depending on the different standards for processing the measuring results in SD-value or in permeability coefficient, the user has an accessories kit of several Excel® modules as option at his disposal.

GraviTest conforms to the most important international standards:

**ASTM E96, ISO 2528, EN ISO 12572, EN 1931, BS 3177, DIN 53122 (Part1)
and others**

