

### Epping *q/m-meter*



Epping's computer-controlled *q/m-meter*<sup>TM</sup> measures the charge-to-mass tribo (*q/m* value) of two-component developers with carriers >25  $\mu\text{m}$ . The device uses the blow-off technique to evaluate toner charge. A choice of blow-off cell types is available for different toner configurations. The *q/m-meter* is noted for its robust design, ease of use and sensitivity to small differences in charging. Highly reproducible results greatly facilitate sharing of data between departments and with suppliers. The software provided allows users to plot up to 20 measurements on one table. The *q/m-meter* is a superb tool for developing new toners and for quality control and process development.

#### Tests

- Tribo
  - Charge-to-mass ratio (*q/m* value)

#### System Hardware

- Self-contained bench-top measurement device with digital read-out
- Measurement cells
  - Soft blow-off for developers
  - Hard blow-off for pigments, resins and additives
  - Measurement cells well insulated
- Airflow and vacuum user-controlled
- Five-wire mesh designed to fit measurement cell; good for up to 200 measurements

#### Software

- Specially designed to work with the *q/m* meter; compatible with Win98, NT, Win2000 and XP.
- Dialog controlled to avoid errors

#### Electrical Requirements

- 110 VAC  $\pm$  10% @ 50/60 Hz or 220 VAC  $\pm$  10% @ 50/60 Hz
- 0.2 kW power consumption without vacuum cleaner

#### Maintenance and Operating Environment

- Temperature
  - Operating: 10° to 32° C (50° to 90° F)
  - Storage: 0° to 35° C (32° to 95° F)
- Relative Humidity
  - Operating: 20% to 80%
  - Storage: 10% to 95% (non-condensing)

#### Dimensions and shipping weight

- Instrument: size L 550 x H 330 x D 400 mm
- Net weight approx. 25 kg
- Approximate shipping weight 45 kg

#### Documentation

- Instruction Manual