

No.2281

Electronic inkometer

This machine is used for measuring viscosity and misting of ink on the printing press. It measures the torque required for shearing the ink between metal roller and rubber roller. This inkometer is composed of metal roller rotating at a specified circumferential speed, top roller driven on it, and swing frame supporting the top roller shaft. At first, the metal roller is rotated without ink on it, which makes the top roller in contact with the metal roller, rotate by frictional force acting on the contact surface, producing initial torque on the swing frame. It is the torque in idle operation without ink. Then, the roll is rotated with ink on it. The frame receives additional force due to ink tacking. Torque in this state expresses the ink tack.

Top roller: 79.3mm in outer diameter, 156mm in effective length, NBR hardness JIS 50° + 2°

Metal roller: 76.2mm in outer diameter, 152.4mm in effective length, made of bronze

Kneading roller: 50.8mm in outer diameter, 184mm in effective length, NBR hardness JIS 50° + 2°, stroke 30 mm

Rotation speed of metal roller: 0 to 3000rpm, low speed for initial kneading about 120rpm

Tack measurement: by load cell, the detected force is converted and displayed as tack value

Measurement range: 0 to 50g·m

Up-and-down of top roller: simple operation with push button

Optional: constant temperature water tank

Accessories: ink pipette capacity 2cc (minimum increment 0.01cc) calibration weight (calibration range max. 35g·m)

Referential standard: JIS K-5701-2000

Power source: three-phase 200/220VAC 50/60Hz 10A

Outer dimensions: 1100 × 550 × 530mm

Instrument weight: 168kg



Weight calibration kit