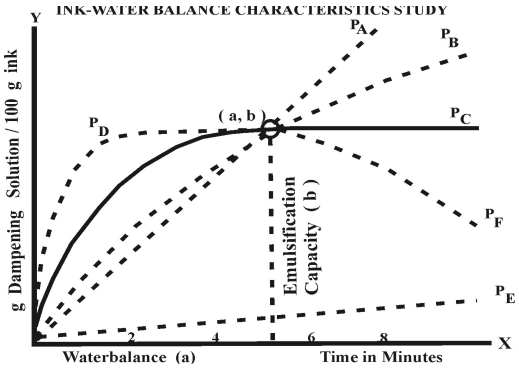
LLOYDS Research Foundation. Inc

LLOYDS Automatic Digital Ink Water Emulsification Tester

For testing & developing high quality Printing ink, Varnish and Pigments

ASTM – D4942



Lithographic performance with rate of Emulsification V/s time curve

- **Automatic Programmable Ink Water Emulsification Tester** Has been specifically designed for in depth study and for determining the accurate percentage of water absorbency by a specimen sample of Varnish (vehicle), Pigment or an offset printing ink to ascertain and achieve perfect Ink water balance of ink formulation to obtain superior and consistent Lithographic print quality during printing process.
- **Advance technology for excellent accuracy and repeatability.** The energy consumed in process of emulsification for every sample is ABSOLUTELY IDENTICAL with combined relative motion of rotating mixer blades, the counter rotating mixing bowl and set numbers of revolutions.
- **State of the art design.** The emulsification tester has a programmable predetermine non contact type electronic digital revolution set and trip counter with power fail memory and for the end of the test alarm for very long life working and needs no attention when emulsification process is on freeing the technician to perform other work as well.
- **Very easy to operate.** The specially shaped s.s.mixer blades can be detached with push of a lever, from the main gearbox system into s.s. Sample beaker placed in the rotating turn table and the digital panel head unit can be tilted up to remove sample beaker along with mixer blades after the test.
- **Ever lasting asset for your laboratory.** It has a compact and strong body design in steel with mirror finish aluminum covers for easy cleaning. All the components of the instruments are of versatile design, best quality, tested material and precision workmanship to produce one of the best quality and highly reliable and accurate Instruments for lifetime working.

Technical data - Model 92-IWE

- Best for formulation testing and for regular production quality control checks and R & D laboratory use.
- Water / fountain solution absorbance by the ink by Volumetric method.
- Water / fountain solution absorbance by the ink by Gravitymetry method.
- Lithographic performance with rate of emulsification curve V/s time graph.
- Simple and easy to operate.
- Almost Nil or low maintenance.

Electronics

- Microprocessor based digital electronic design.
- User-friendly design.

Electrical

- 230 Volts 50 Hz / 110 volts 60 Hz
- 180 Watts power consumption

Dimension & Weight Details

- Physical Unit dimension - 7 ¼"W X 17"D X 15"H - Net Weight 19 Kgs
- Shipping dimension - 15"W X 26"D X 25"H - Gross Weight 40 Kgs

Designed, Manufactured & Marketed by -

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