

# TQM™ Aqua-Check™ Moisture Meter

Measure the moisture in screens to ensure emulsion is dry during exposure

The first stencil moisture meter, the TQM™ Aqua-Check™ determines when the stencil is dry enough to expose. Our exclusive TQM Aqua-Check meter detects hidden moisture instantly. It is a fast and accurate measurement that prevents you from having to take chances with your stencil.

The battery-operated contact meter provides direct readings of the residual moisture content in coated (and dried) screens to ultimately prevent pinholes and premature stencil breakdown. A screen that is not dried thoroughly before exposure will not harden effectively, and is vulnerable to these deficiencies. The Aqua-Check's modest cost can save you big outlays in press downtime and stencil remakes. For use on polyester and nylon screen mesh.

The TQM Aqua-Check meter is placed directly on the surface of the emulsion. With a press of the button, the percentage of retained moisture content is displayed on an easy-to-read dial. The dial's color-coded fields simultaneously translate the reading quickly and effortlessly, indicating whether the screen has reached optimum dryness or requires further drying before exposure.

## Instructions For Use

1. There's no guesswork. Simply push the flat ends of the 2 contact pins firmly against the emulsion or film surface of the screen to be measured.
2. Press the READ button and hold for 2 seconds while contacting the meter firmly against the screen.
3. Read the moisture content. Red for trouble ahead. Orange for risky. Green for go!

**GREEN** (less than 4%) indicates optimum dryness and assures a very durable stencil, assuming the exposure time is correct.

**YELLOW** (4-6%) indicates marginal dryness; a deterioration of the wet stencil strength is noticeable during washout and pinholes are more plentiful. This is most critical for fast-exposing emulsions, which use a low diazo level in order to produce shorter exposure times.

**RED** (greater than 6%) indicates insufficient drying where improved drying is required. With above a 6% moisture

content, most emulsions will produce soft stencils regardless of exposure time, threatening breakdown on press. This may not be a problem when printing plastisol or solvent-based inks, depending on the run length, but will be when printing water-based inks.

## Battery Check

Press the **CAL/CHK** button. The meter needle should move to **CHK** on the dial indicating that the meter is in good working condition. If not, replace the battery. Battery life is about 1 year under normal use.

## Limited Warranty

SAATI warrants to the original owner that the TQM Aqua-Check delivered in this package will be free from defects and workmanship for one (1) year. This warranty does not cover the product if it is damaged by abuse, accident, misuse, neglect, modification, unauthorized repair or improper testing.

