



TQM™ ETG™
TQM™ ETG™

TQM Electronic Thickness Gauge (ETG) is the only thickness gauge that calculates the difference between the fabric and emulsion thicknesses automatically. It is the choice for the screen printer looking for a practical, compact and easy-to-use thickness gauge for quality control purposes. Its uses include screen mesh and stencil measurements, as well as substrate and cured ink film measurements.

The ETG works on the principle of magnetic induction, and is used in conjunction with a small, hand-held test plate. The coated mesh sample is placed between the measuring probe and test plate, and the micron or mil measurement is displayed immediately.

The TQM ETG unit does not normally require calibration before use. However, the unit is supplied with calibration shims to confirm instrument accuracy or to measure unusually thick or curved samples. For those requiring conformance to very tight quality controls, the TQM ETG can be ordered with an optional Certificate of Calibration to NIST standards.

FEATURES

- Digital accuracy of $\pm 1\%$
- Also measures dry ink thickness on substrate
- For use on polyester, nylon or stainless steel mesh
- Measures automatically in mils or microns
- Factory-installed, custom-fit probe system means all models are calibrated and shipped ready-to-use
- Automatic shut-off after 7 minutes of non-use
- Automatic low battery shut-off eliminates invalid readings
- Heavy-duty carrying case

BENEFITS

- No more guesswork
- Time saver
- Very simple to use
- Provides an automatic calculation of the difference between the fabric and emulsion thicknesses
- Economical, yet with accuracy equal to or better than higher-priced models

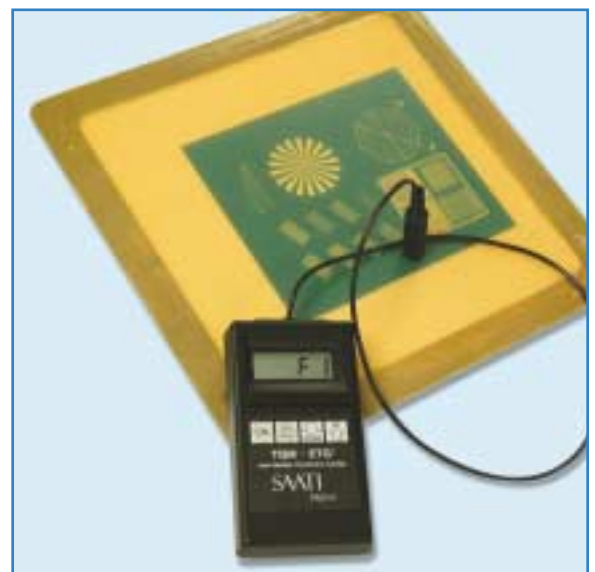
OPTIONS

- Certificate of Calibration to NIST standards for quality control or ISO 9000 compliance programs
 - Bi-yearly calibration program, based on instrument inspection.

Spare parts available: ETG Base Plates and ETG Calibration Foils.

INSTRUCTIONS FOR USE

Press ON ("F1" appears). Place the metal plate (silver side) against the screen. Then, from the other side of the screen, gently contact the probe flush with the plate. The micron (or mil) reading takes just seconds. (More detailed instructions are provided with each unit.)





TQM™ ETG™

TECHNICAL SPECIFICATIONS

OVERALL DIMENSIONS	Gauge – 5.5" x 3.1" x 1.5" Probe – 1.5" x .375" diameter Cable – 29"
RANGE	0.1 – 40.0 mils (1-999 µm)
ACCURACY	±0.1 mil : 0–10.0 mils ±1% reading : 10.0–40.0 mils ±1 µm : 0–250 µm ±1% reading : 250–999 µm
Note:	accuracy limits require that calibration be made near the measured thickness
RESOLUTION	0.1 mil (1 µm)
BATTERY LIFE	9 volt alkaline, approx. 6 months
WEIGHT	9 oz. (250 g)
CAL. STANDARDS	1 steel plate and 2 plastic calibration shims
WARRANTY	1 year

247 Route 100
Somers, NY 10589

Phone: 800 / 431-2200
or 914 / 232-7781

Fax: 800/ 829-9939
or 914 / 232-4004

Info.US@saatiprint.com
www.saatiamericas.com