

ET-3 Electronic Thickness Gauge

INDUSTRY STANDARD

This is the standard instrument used throughout the contact lens industry, world wide, for measuring center thickness of soft lenses. The instrument has a range of 1000 microns and reads out in one micron increment.

RS-232 Interface

The ET-3 can be configured with an RS-232 interface. This allows the user to collect thickness reading via a PC based computer.

Software

Please ask about the ET-3 Computer Software package.



- The Model ET-3, Electronic Thickness Gauge is a highly specialized instrument, primarily used by contact lens manufacturers and researchers.
- The ET-3 is designed to accurately measure the thickness of soft contact lenses and other soft materials.
- The instruments are built to perform with the highest degree of precision and with the highest degree of reliability possible.
- The instruments will stay in calibration, and will continue to function in this manner for many years.

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The instrument is available with several options including custom shaped anvils to fit your sample, a Ball Anvil Adapter that allows the operator to rotate the sample to various positions under the sensor, an RS-232 computer interface and software to facilitate the collection of data through the RS-232 port.

The Model ET-3, Electronic Thickness Gauge is available with either a Motorized Sensor drive or a Manually Operated sensor.

The instrument can also be purchased in a manually operated model where the sensor is raised and lowered via a conveniently located, hand operated, knob that is rotated approximately 180 degrees with the finger tips.

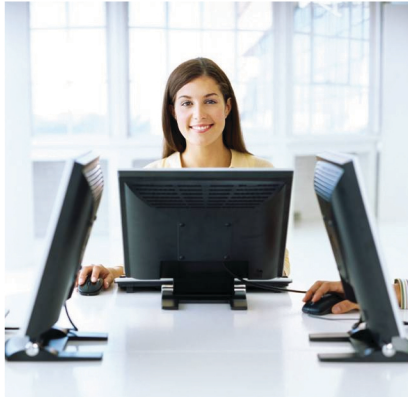
The Motorized Sensor Drive automatically lowers the sensor to take a measurement. As it approaches the sample, velocity of the sensor is slowed to reduce inertial forces. Velocity is the same for every measurement so inconsistencies in the amount of force applied to samples between operators or between successive readings is eliminated and results in far more accurate data.

The Motorized Sensor Drive can be operated with the touch of a push button switch on the front panel or through the RS-232 computer interface for fully automatic data collection. This will speed production and help eliminate operator fatigue.



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Technical Specifications and Options



The ET-3 uses a precision linear transducer system to detect the position of the measuring sensor.

The counterbalance and measuring sensor operating system is designed to protect the sample from accidental excessive compression.

The force applied to the sample is adjustable and is normally set to approximately 0.5 gm.

The Electronic Thickness Gauge is simple to use and an inexperienced operator can quickly learn to take accurate measurements.

Technical Specifications

- Resolution is one micron and the repeatability is virtually absolute.
- Measurement range is from Zero to 1000 microns
- Accuracy of readings is within ± 2 microns. ($\pm 1 \mu\text{m}$, plus, $\pm 1 \mu\text{m}$ digital rounding)
- The liquid crystal digital display requires room light for viewing.
- RS-232 Computer Interface via female DB25 connector.
- The instrument will operate on 105 to 125 VAC or 210 to 250 VAC, 50 - 60 Hz. (Specify when ordering)

OPTIONS AVAILABLE

Motorized Sensor Drive
RS-232 Computer Interface
and Software
Ball Anvil Adapter
Custom Anvils to fit your
special needs. Ask for Quote.

SERVICES AVAILABLE

Installation and Setup
Maintenance
Application Support
Hardware Support

TECHNICAL SUPPORT

The ET-3 is a well built instrument but if you encounter technical issues Createch/Rehder Dev Co offer full technical support.

ZERO DOWNTIME

The ET-3 provides years of trouble free use. These units have been operating in labs worldwide for over 20 years

TURNKEY SOLUTIONS

We offer a complete line of contact lens testing solutions such as the 201T Permeometer and industry standard Polarographic Cells.

For more information on any of our products or services please visit us on the Web at:
www.CreatechRehder.com



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