

Humphrey® FDT. Visual Field Instrument.



WelchAllyn™

 FREQUENCY
DOUBLING
TECHNOLOGY



Leading-edge perimetry.

FDT is a breakthrough in visual field testing that's so efficient it can even be used in pre-testing.

Introducing FDT, the first visual field instrument that's simple enough, fast enough, and compact enough to be used even in a pre-testing environment. Affordably priced, FDT has years of research and clinical trials behind it to validate performance. The instrument produces screening results in only 45 seconds and full threshold results in under 4 minutes per eye. Weighing only 19 pounds, FDT is the most portable and user-friendly automated visual field instrument ever created.

Features

Innovative Technology

FDT isolates a subset of retinal ganglion cell mechanisms in the magnocellular (M-cell) pathway. These M-cells have large diameter fibers and comprise only 3% to 5% of all retinal ganglion cells. The damage of these cells in the disease process makes FDT efficient and effective for the detection of visual field loss.

Rapid Testing Times

Supra-threshold screening in only 45 seconds. Full threshold testing in under 4 minutes.

Efficient

No instrument or patient set-up needed.

Portable

Weighs only 19 pounds. Compact enough to fit anywhere in your practice - even in pre-test.

Affordable

About half the price of competitive instruments.

Clinically Validated

World-class validation with 3 years of comprehensive clinical trials. Large age-related normative database.

User-friendly & Simplified

No Trial Lens Needed

Patients wear their own correction.

Easy to Use

No special training needed/3-touch operation.

No Eye Patch Needed

Automatically occludes the opposite (untested) eye.

No Ambient Light Affects

Conduct the test in normal room lighting.

Specifications

Stimulus

Frequency Doubled sinusoidal gratings (0.25 cpd; 25 Hz).

Fixation Monitoring

Heijl-Krakau fixation monitor.

Area of Field Tested

Central 30 degrees.

Test Strategies and Patterns

Supra-threshold C-20 screening.

Full threshold C-20 testing.

Full threshold N-30 testing.

Analysis Software

Statistical Global Indices (MD and PSD). Probability levels and deviation plot based on age-related normative references.

Printer

High-speed, high-resolution internal thermal printer.

Hook-up for external printer to be available.

Data Storage, Retrieval and Analysis

RS-232 interface for an IBM-compatible PC.

PC data analysis software included.

(Available separately in the U.S.)

Dimensions

10" (25cm) wide x 19" (48cm) x 17" (43cm) high.

Electrical

100-120/220-240 VAC, 50/60 Hz, 50 watts max.

IEC-320 standard power inlet for worldwide use.

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