

# Humphrey® FDT. Visual Field Instrument.



EYE CARE ALLIANCE™

800-328-2020

WelchAllyn™

 FREQUENCY  
DOUBLING  
TECHNOLOGY



EYE CARE  
ALLIANCE

1.800.320.2020

[www.eyecarealliance.com](http://www.eyecarealliance.com)



# 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.

**Carl Zeiss Meditec AG** Phone: +49 (0) 36 41 / 22 0-3 33  
Goeschwitzer Str. 51-52 Fax: +49 (0) 36 41 / 22 0-2 82  
07745 Jena info@meditec.zeiss.com  
Germany www.meditec.zeiss.com

**Carl Zeiss Meditec Inc.** Toll Free: (800) 3 42-98 21  
5160 Hacienda Drive Phone: +1 (925) 5 57-46 51  
Dublin, CA 94568 Fax: +1 (925) 5 57-42 17  
USA info@meditec.zeiss.com  
www.meditec.zeiss.com