

# TEMPO™

## Perimeter

The comfortable binocular perimeter that performs 39% faster than standard automated perimetry.<sup>1</sup>



# FAST, ACCURATE, COMFORTABLE

## VISUAL FIELD TESTING

The novel, binocular approach makes testing faster and more comfortable which results in effective testing from screening through advanced glaucoma - without compromising accuracy. TEMPO reduces the tedium of perimetry for patients and technicians.



*Test results are reliable and repeatable with less patient chair time. Testing both eyes simultaneously offers clinical efficiency and enhanced comfort with a notable patient preference over bowl perimetry.*

**Takashi Nishida, MD, PhD**  
Shiley Eye Center, UC San Diego



Includes SAP  
Test Patterns



Less Patient  
Fatigue



Functions in  
Ambient Light



No Patch

### FAST

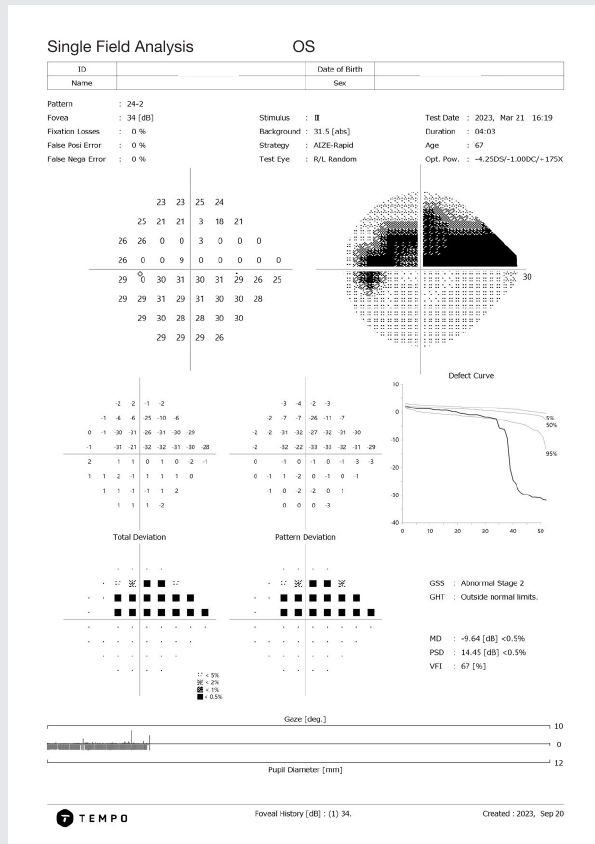
39% faster than SAP<sup>1</sup>  
in clinical testing and  
functions in ambient light

### ACCURATE

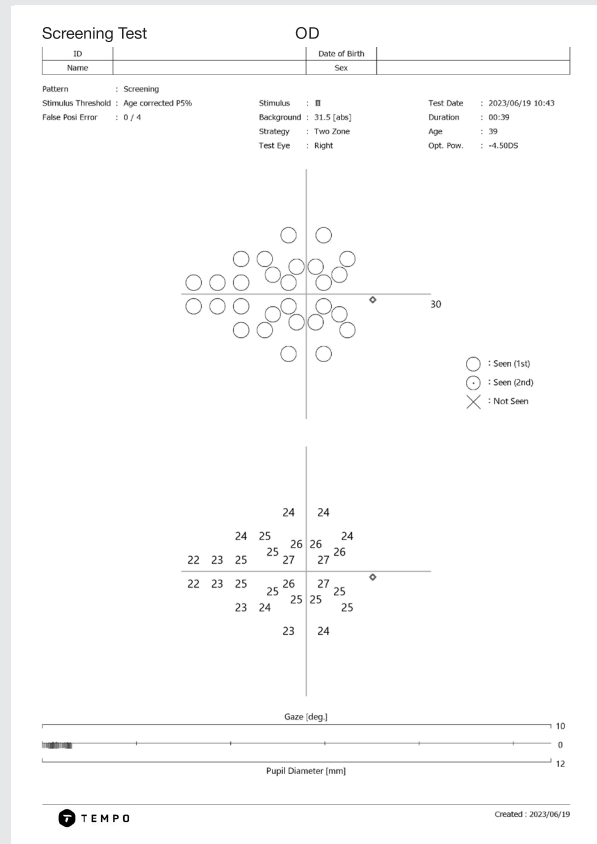
Performance equivalent  
to SAP<sup>1</sup> with excellent  
repeatability<sup>2</sup>

### COMFORTABLE

Random, binocular testing  
creates a comfortable and  
fluid patient experience



24-2 SFA Report



Screening Report

**In summary, TEMPO (IMOVifa)<sup>3</sup> results agreed well with HFA while reducing measurement time.<sup>1</sup>**

### SPEED & COMPARABILITY

TEMPO reduced measurement time by 39%. MD, PSD, and VFI values showed good agreement with HFA SITA-Fast strategy. This perimeter reduced fatigue for both patient and examiner.<sup>1</sup>

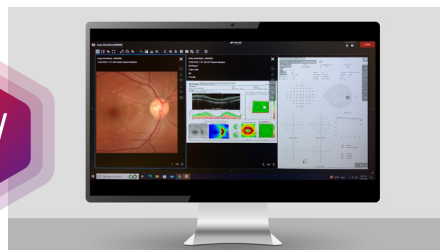
### RANDOM EYE STIMULI

TEMPO tests the right and left eyes separately, but also can randomly present the test object to either eye in a nonocclusion manner without the examinee being aware of which eye is being tested. As subjects do not recognize in which eye the stimulus is presented, it has been reported that this test method may be useful in the evaluation of functional VF loss, such as malingering or psychological disorders, which have been challenging to evaluate objectively.<sup>1</sup>

## SPECIFICATIONS

<b>Peripheral range (distance)</b>	30° (1 m)
<b>Maximum stimulus intensity</b>	10,000 asb
<b>Background illumination</b>	31.4 asb
<b>Stimulus size</b>	Goldmann I-V (>V possible)
<b>Stimulus duration</b>	200 ms
<b>Stimulus generation</b>	Liquid Crystal Display
<b>Test methods</b>	Binocular, random white-on-white perimetry
<b>Test patterns</b>	30-2, 24-2, 10-2 24plus (1-2) [24 additional central points added to 24-2 pattern] 24plus (1) [36 points screening pattern]
<b>Test strategies</b>	AIZE, AIZE-Rapid, Full-threshold, Two-zone (Screening) AIZE EX, AIZE-Rapid EX
<b>Fixation controls</b>	Gaze Tracking, Heijl-Krakau Blind Spot Monitor and Video Eye Monitor
<b>Correction range</b>	Spherical correction -15 to +9 D Cylinder correction -3 to 0 D
<b>Pupillary distance</b>	2-3 in / 52-78 mm
<b>Measures(WxDxH)*</b>	9 x 20 x 16 in / 220 x 500 x 410 mm
<b>Weight</b>	19 lbs / 8.4 kg
<b>Optical system of visual target presentation</b>	Color transmissive LCD, 2560 x 1440 wavelength 420 - 700 nm
<b>Gaze tracker</b>	1/4 inch monochrome CMOS sensor, 640 x 480, 30 fps, Infrared 900 nm
<b>Video eye monitor</b>	1/4 inch color CMOS sensor, 640 x 480
<b>Networking</b>	DICOM, Ethernet 2.5GbE

\*Measurements exclude keyboard and mouse.



TEMPO and Maestro2 OCT glaucoma testing is powered by Harmony®, a simple clinical data management solution that helps drive better patient outcomes.

1. Nishida T, Eslani M, Weinreb RN, Arias J, Vasile C, Mohammadzadeh V, Moghimi S. Perimetric Comparison Between the IMOVifa and Humphrey Field Analyzer. J Glaucoma. 2023 Feb 1;32(2):85-92. doi: 10.1097/IJG.0000000000002134. Epub 2022 Oct 7. PMID: 36223309.

2. M Tafreshi, J Menou, D Kasanoff, M Durbin, NW El-Nimri, K Cieslinski; Repeatability of visual fields taken with the IMOVifa perimeter. Invest. Ophthalmol. Vis. Sci. 2023;64(8):5505.

3. IMOVifa is sold as TEMPO in the US.

This product is manufactured by CREWT Medical Systems, Inc., and is marketed as "IMOVifa" in some regions.

**IMPORTANT** In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

Not all products, services or offers are approved or offered in every market, and products vary from one country to another. Contact your local distributor for country-specific information and availability.

### TOPCON MEDICAL SYSTEMS, INC.

Phone: +1-201-599-5100 | topconhealthcare.com

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