

One Vision, Two Sharp Eyes with Our Innovation

# SP-100

## Handy Pachymeter

New Compact Pachymeter  
with Multiple Functions



- Compact Body
- Built-in Printer
- Simple Quick and Easy Measurement
- Rechargeable Battery with AC adapter
- 8 Readings with Average / Minimum / Latest Options
- Patient Data Input & Measurement Data Export Capability
- Large Data Display and LED Lighting
- IOP Calculations, corrected by Center Corneal Thickness

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## Not too small, Not too BIG... It's the size you need!

A simple Handy Pachymeter is what you want and Tomey delivers. The SP-100 Handy Pachymeter is only 530g (19 oz.) and is the best equipment to measure Central Corneal Thickness. The Tomey Tone-Assisted Measurement System will allow measurements without looking at the display. 2.7" Dot Matrix LCD provides easy-to-read information. Thermal built-in printer and RS-232C communication port make for quick recording and easy data output possible. The unit just fits in your hand. Unlike the pen style which is easily lost, our pachymeter is comfortably held with one hand and is more portable than the larger models. The built-in rechargeable battery enables wireless operation. Our easy-to-read print out includes the patient ID, name and measured date.

If you don't have a pachymeter, the SP-100 is the only one you need. If you already have one, the SP-100 is the best pachymeter as a second unit.

RIGHT	1: 572	5: 583
LAST	2: 572	6:
	3: 553	7:
	4: 548	8:
AVG.:	561 $\mu$ m	SD: 28.3
[Pachy] [CLR] [DEL] [MENU]		

Easy Measurement with Simple Screen

RIGHT
544
[ ] [ ] [ ] [ ]

Large Measurement Data

RIGHT IOP CALCULAT.
$\Delta P = (1554 - CCT) * 0.045$
TONOMETRY = 26.0 mmHg
CCT = 1553 $\mu$ m
Adj. IOP = 25.6 mmHg
[R/L] [TONO] [CCT] [EXIT]

IOP Calculations



Operating Panel (Buttons & Indicator)

2004/ 9/24 16:30
ID:12345678901234
NAME
ABCDEFGHIJKLMN
-----
Vel:1640 Average
RIGHT -----
1: 548 2: 572
3: 553 4: 548
5: 583
Avg: 561 SD:28.3
LEFT -----
1: 823 2: 830
3: 826
Avg: 826 SD: 2.9

Sample Printout

## SP-100 SPECIFICATIONS

### Pachymeter Functions

Ultrasound	
Frequency	20MHz $\pm$ 20%
Velocity Range	1,400 – 2,000m/s
Default Setting	1,640m/s

Measurement Range	150 – 1,200 $\mu$ m
Measurement Accuracy	$\pm$ 5.0 $\mu$ m
Minimum Display Unit	1 $\mu$ m

Main Body	
Display	STN 2.7" Dot Matrix LCD

### Ultrasound Energy

Ispta3	Less than 17mW/cm2
Isppa3	Less than 28mW/cm2
MI	Less than 0.23
Dimensions	118mm (W) x 207mm (D) x 59mm (H) 4.6" (W) x 8.1" (D) x 2.4" (H)
Weight	530g (1.17 lbs.)

### Weight

### Power Sources

### Voltage Range

### Frequency

### Power Consumption

### Battery

AC 100–120 V or 200 – 240 V
50/60Hz
23VA + less than 15%
Lithium Ion Rechargeable Battery
Up to 4 hours continuous use



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