

# PACHYMETER SP-100

PORTABLE PACHYMETER

## DELIGHT IN SIGHT

Portable. Precise. Powerful.



- Automatic CCT corrected IOP calculations
- Wide measuring range 150 to 1,200  $\mu\text{m}$
- Patient data input & export capability
- Built-in printer
- 8 readings with averaging
- Cordless

# THE TOMHEY PORTABLE PACHYMETER SP-100



## QUALITY IN DETAIL

### Small Size – High Ability

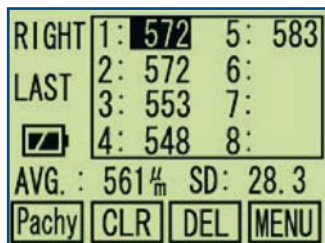
The Tomey pachymeter **SP-100** covers all your needs regarding pachymetry. Small and portable design, wireless operation and light weight make the **SP-100** an “easy-to-use unit”.

### Customised Pachymeter

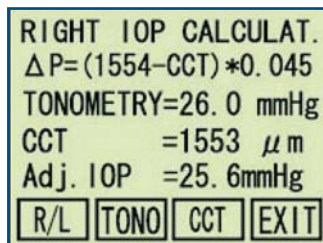
You need adjustable IOP correction? Easily done! With the programmable IOP formula you are able to get the central corneal thickness (CCT) corrected IOP. The **SP-100** calculates this automatically with the formula of your choice. The system displays the average of 8 measurements. Every single measurement is already an average out of up to 20 exams.

### Documentation

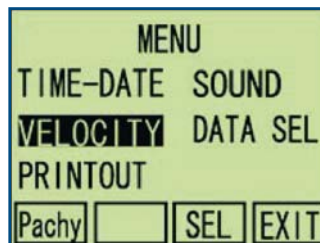
You can print your results on the built-in printer or transmit it to a PC or network system via serial port. The printout includes the patient ID, name and measured data. The rechargeable battery with AC/DC adapter has a standby time up to 6 hours.



Average will be calculated out of 8 single measurements



IOP calculation



Settings display

|                   |        |
|-------------------|--------|
| 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



Control panel



Pachymeter probe



Illuminated LC display

## SPECIFICATIONS

### PACHYMETRY FUNCTION

|                             |  |
|-----------------------------|--|
| <b>Single Mode</b>          | 8 single, average / minimum / latest options |
| <b>Frequency</b>            | 20 MHz                                       |
| <b>Velocity range</b>       | 1,400 to 2,000 m/s                           |
| <b>Default setting</b>      | 1,640 m/s                                    |
| <b>Measurement range</b>    | 1,400 to 2,000 m/s                           |
| <b>Measurement accuracy</b> | ± 0.005 mm                                   |

### MAIN UNIT

|                           |  |
|---------------------------|--|
| <b>Display</b>            | STN 2.7" dot Matrix LCD<br>240 x 160 pixel |
| <b>Printer</b>            | Built-in thermal printer                   |
| <b>Communication port</b> | RS-232                                     |

### DIMENSIONS & ELECTRIC REQUIREMENTS

|                        |                    |
|------------------------|--------------------|
| <b>Dimensions WDH</b>  | 118 x 207 x 59 mm  |
| <b>Weight</b>          | approx. 0.53 kg    |
| <b>Battery</b>         | Model Sonyo GS     |
| <b>Working time</b>    | 6 hours 45 minutes |
| <b>Battery charger</b> |                    |
| <b>Output</b>          | 7.0 V              |
| <b>Load current</b>    | 2 A                |

TOMEY EUROPE  
TOMEY GmbH  
Am Weichselgarten 19a  
91058 Erlangen, Germany

Phone +49 9131 77710, Fax +49 9131 777120  
Email info@tomey.de

TOMEY ASIA-PACIFIC  
TOMEY CORPORATION JAPAN  
2-11-33 Noritakeshinmachi  
Nishi-ku, Nagoya 451-0051, Japan

Phone +81 52 581 5327, Fax +81 52 561 4735  
Email intl@tomey.co.jp

 **TOMEY**  
TECHNOLOGY AND VISION

www.tomey.de