

## Vital Sign Monitor

# VITAPIA5000

- Compact and portable with built-in battery
- 7 segment LEDs for systolic, diastolic, mean pressure, SpO<sub>2</sub> and pulse rate
- 2.4" color LCD for waveforms, bar graphic, trend and system menu
- High bright LEDs display of NIBP, SpO<sub>2</sub> and pulse rate
- High resolution color LCDs for trend tabular and SpO<sub>2</sub> Waveforms display
- Manual / auto / continuous measurement of NIBP
- Adjustable audible and visual alarms
- Up to 2000 groups NIBP data storage or SpO<sub>2</sub> up to 10 hours
- Suitable for adult, pediatric and neonatal patient

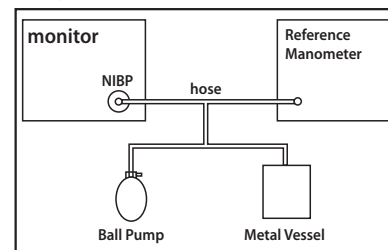


# Vital Sign Monitor VITAPIA5000 (Type 5000V) Technical Specifications

| NIBP                                                |                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------|
| Method                                              | Oscillometry                                                           |
| Measurement range                                   | 10 ~ 270 mmHg                                                          |
| Operation                                           | Auto / Manual / STAT                                                   |
| "Measurement Interval (Auto Mode)"                  | 1, 2, 3, 4, 5 min / 10 ~ 255 min (5 min interval)                      |
| Cuff pressure accuracy                              | ±3 mmHg                                                                |
| Resolution                                          | 1 mmHg                                                                 |
| Measurement mean error                              | ±5 mmHg                                                                |
| Maximum standard deviation                          | 8 mmHg                                                                 |
| Overpressure Protection                             | Adult (297 ±3 mmHg) / Pediatric (240 ±3 mmHg) / Neonatal (147 ±3 mmHg) |
| SpO <sub>2</sub>                                    |                                                                        |
| Measurement range                                   | 35 ~ 100 %                                                             |
| Resolution                                          | 1%                                                                     |
| Accuracy                                            | ±2% (70 ~ 100%) / unspecified (0 ~ 69%)                                |
| Alarm range                                         | 0 ~ 100%                                                               |
| Pulse rate                                          |                                                                        |
| Measurement range                                   | 30 ~ 250 bpm                                                           |
| Resolution                                          | 1 bpm                                                                  |
| Accuracy                                            | ±2 bpm / ±2% for large value                                           |
| Alarm range                                         | 0 ~ 254 bpm                                                            |
| Display                                             |                                                                        |
| 7 segment LED                                       |                                                                        |
| 2.4" color LCD                                      |                                                                        |
| Audible Alarm                                       |                                                                        |
| Systolic / Diastolic / Mean / PR / SpO <sub>2</sub> |                                                                        |
| Recall                                              |                                                                        |
| 2000 NIBP measurement                               |                                                                        |
| 3000 SpO <sub>2</sub> measurement                   |                                                                        |
| Power                                               |                                                                        |
| AC                                                  | 100 ~ 240 VAC                                                          |
| Frequency                                           | 50 / 60 Hz                                                             |
| Rechargeable battery                                |                                                                        |
| 7.4V 1100 mAh Lion polymer                          |                                                                        |
| 5 hour operation with full charged battery          |                                                                        |
| Operating environment                               |                                                                        |
| Temperature                                         | 5 ~ 40°C                                                               |
| Relative Humidity                                   | Less than 80%                                                          |
| Atmospheric Pressure                                | 86 ~ 106 kPa                                                           |
| Transport and storage                               |                                                                        |
| Temperature                                         | -10 ~ 55°C                                                             |
| Relative Humidity                                   | Less than 95%                                                          |
| Atmospheric Pressure                                | 50 ~ 106 kPa                                                           |
| Safety                                              |                                                                        |
| Class I type CF                                     |                                                                        |
| Dimension                                           |                                                                        |
| Size                                                | 198 (L) X 232 (W) X 75 (H) mm                                          |
| Weight                                              | 1.15 kg                                                                |
| Option Parts                                        |                                                                        |
| Thermal printer, ECG                                |                                                                        |

※ Contents and specification subjects change without notice

## · Diagram of NIBP calibration



## · SpO<sub>2</sub> SETUP Interface

| SETUP                               | TABLE |            |       |
|-------------------------------------|-------|------------|-------|
| SP02 ALM HI                         | 100   | Resolution | 5Min  |
| SP02 ALM LO                         | 90    | SP02 UNIT: | %     |
| PR ALM HI                           | 160   | PR UNIT:   | bpm   |
| PR ALM LO                           | 75    |            |       |
| Pulse Sound                         | OFF   |            |       |
| OK:Modify;Up/Down:Select;L/R:Table. |       |            |       |
| SYSTEM                              | NIBP  | SP02       | 14:10 |

## · SpO<sub>2</sub> TABLE Interface

| SETUP                              | TABLE   |      |       |
|------------------------------------|---------|------|-------|
| No.                                | hh : mm | SP02 | PR    |
| 1                                  | 9 : 24  | 96   | 84    |
| 2                                  | 9 : 25  | 96   | 86    |
| UP/DOWN:Page Up/Down;L/R:USER set. |         |      |       |
| SYSTEM                             | NIBP    | SP02 | 04:52 |

## · NIBP Setup Interface

| SETUP                               | TABLE |            |        |
|-------------------------------------|-------|------------|--------|
| SYS ALM HI                          | 160   | MAP ALM LO | 60     |
| SYS ALM LO                          | 100   | UNIT       | mmHg   |
| DIA ALM HI                          | 90    | RESET      | Start  |
| DIA ALM LO                          | 50    | INTERVAL   | MANUAL |
| MAP ALM HI                          | 110   | PAT TYPE   | ADU    |
| OK:Modify;Up/Down:Select;L/R:Table. |       |            |        |
| SYSTEM                              | NIBP  | SP02       | 09:15  |

## · NIBP TABLE Interface

| SETUP | TABLE   |     |     |      |
|-------|---------|-----|-----|------|
| No.   | hh : mm | SYS | DIA | MEAN |
| 13    | 19 : 58 | 107 | 73  | 83   |
| 14    | 19 : 58 | 108 | 74  | 86   |
| 15    | 6 : 28  | 168 | 108 | 125  |
| 16    | 6 : 28  | 163 | 107 | 123  |
| 17    | 6 : 30  | 164 | 104 | 123  |

UP/DOWN:Page Up/Down;L/R:USER set.

|        |      |      |       |
|--------|------|------|-------|
| SYSTEM | NIBP | SP02 | 04:53 |
|--------|------|------|-------|



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## TRISMED CO., LTD

409 SMECA, 65 Techno 3-ro, Yuseong-gu, Daejeon 305-509, Republic of Korea

Tel. +82-42-9 36-7201 Fax. +82-42-936-7202 E-mail. trismed@kornet.net / trismed@trismed.com

Home page. www.trismed.com / www.trismed.co.kr