

# prisma20A

## Therapy Flexibility for Obstructive Sleep Apnea (OSA)

Equipped with Forced Oscillation Technique (FOT), prisma20A reliably distinguishes obstructive from central apnea. In response to respiratory events, prisma20A automatically and continuously adjusts the pressure to the needs of the patient. Flexible setting options along with process-supporting and comfort-enhancing functions make possible safe, effective and whisper-quiet **APAP therapy Made in Germany**.

### Major features at a glance

- Modes: CPAP, APAP
- Large touchscreen with smart menu navigation allows fast and intuitive operation
- Two options (standard, dynamic) in APAP mode
- Pressure relief softPAP, in softPAP 3 with additional inspiratory support
- Deep sleep indicator for sleep quality evaluation
- Comfort-enhancing functions such as autoSTART, autoSTOP, softSTART, pressure relief softPAP, mask test
- Modern connectivity: telemedicine, SD, PSG, LAN.
- With smartAQUAcontrol (with use of prismaAQUA): Intelligent humidification without extra sensors

### Our Software Solutions



- **prisma CLOUD**  
The telemedical connection for experts and patients. Information about therapy updated daily, fully automated, from anywhere.
- **prisma APP**  
The prisma APP supports and motivates patients to adhere to treatment.
- **prismaTS**  
Therapy software for experts. For detailed data analysis and remote settings.



## Accessories

| Humidifier               |          | Breathing tubes  |                      | Modules  |                      |
|--------------------------|----------|--|----------------------|--|----------------------|
| prismaAQUA               | WM 29680 | Breathing tube<br>Ø 22 mm<br>Ø 15 mm                           | WM 24445<br>WM 29988 | prismaCONNECT<br>prismaPSG<br>PSG module                     | WM 29670<br>WM 29690 |
| Filters                  |          | Breathing tube, autoclavable<br>Ø 22 mm                        | WM 24667             | prismaCHECK<br>SpO <sub>2</sub> module                       | WM 29390             |
| Bacteria filter          | WM 24476 |  |                      | Modem for prisma CLOUD                                       | WM 31240             |
| Set of 12 pollen filters | WM 29652 |  |                      | Software   |                      |
| Power inverter           |          | prismaHYBERNITE<br>heated breathing tube<br>Ø 22 mm<br>Ø 15 mm | WM 29067<br>WM 29083 | prismaTS<br>therapy software<br>complete with USB data cable | WM 93335             |
| 24 V, Truck              | WM 24617 |  |                      |  |                      |
| 12 V, Auto               | WM 24616 |  |                      |  |                      |
| Transport bags           |          |  |                      |  |                      |
| prismaBAG basic          | WM 29708 |  |                      |  |                      |
| prismaBAG premium        | WM 29709 |  |                      |  |                      |

You'll find more information about our therapy solutions, accessories and mask systems at [loewensteinmedical.com](http://loewensteinmedical.com)

## Technical data

|   |  |   |  |  |
|---|--|---|--|--|
| Product class as per Directive 93/42/EEC  | II a   | Alarms  | leakage and disconnection                              |  |
| Dimensions (W x H x D)  | 170 x 135 x 180 mm   | Modes   | CPAP, APAP   |  |
| Weight  | about 1.4 kg   | Mean sound pressure level/Operation ISO 80601-2-70  | about 26.5 dB(A) at 10 hPa                             |  |
| Temperature range<br>• Operation<br>• Transport and Storage   | +5 °C to +40 °C<br>-25 °C to +70 °C                              | CPAP/APAP operating pressure range  | 4 to 20 hPa  |  |
| Permitted humidity, operation and storage   | rel. humidity 10% to 95%, no condensation                        | Pressure accuracy   | <20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa                  |  |
| Pressure range  | 700 – 1060 hPa corresponds to altitude of 3000 m above sea level | Highest flow as per ISO 80601-2-70, CPAP and APAP mode, without humidifier  | 4.0 hPa<br>8.0 hPa<br>12.0 hPa<br>16.0 hPa<br>20.0 hPa | 235 l/min<br>230 l/min<br>220 l/min<br>215 l/min<br>210 l/min    |
| Electric rating   | max. 40 VA   | Stability of dynamic pressure (short-term accuracy) at 10 breaths/min as per ISO 17510-1:2007 with 22-mm breathing tube | 7.0 hPa<br>10.0 hPa<br>13.5 hPa<br>20.0 hPa            | Δp ≤ 0.24 hPa<br>Δp ≤ 0.28 hPa<br>Δp ≤ 0.30 hPa<br>Δp ≤ 0.40 hPa |
| System interface  | 12 V DC max. 10 VA   |   |  |  |
| Power consumption in<br>• Operation (treatment):<br>• Standby:  | 240 V    100 V<br>0.11 A    0.25 A<br>0.035 A    0.022 A         |   |  |  |
| Classification as per EN 60601-1-11<br>• Type of protection from electric shock:<br>• Level of protection from electric shock:<br>• Protection from damaging ingress of water and solids: | protection class II<br>type BF<br>IP21                           |   |  |  |

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## Device description

prisma20A

## Article Nr.

WM29600

**CE 0197**

Please refer to the current price list.



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