



**Video  
Laryngoscope**

# Datasheet

|           |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety    | Standard                                | CE marking according to Annex VIII, REGULATION(EU) 2017/745, Class I                                                                                                                                                                                                                                                                                                                                                                                                               |
|           | Operating                               | Temperature: 5 °C-40 °C, atmospheric pressure: 860 hpa-1060 hPa, Humidity: 20%-80%.                                                                                                                                                                                                                                                                                                                                                                                                |
|           | Storage                                 | Temperature: -20 °C-60 °C, atmospheric pressure: 500 hPa-1060 hPa, Humidity: 10%-95%.                                                                                                                                                                                                                                                                                                                                                                                              |
| Processor | Model                                   | HM-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|           | Physical specification                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Dimensions                              | 234 (h) x 175 (w) x 37 (d) mm                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|           | Weight                                  | 1.04 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | Display                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Display size                            | 8 inches                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           | Display length-width ratio              | 4:3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|           | Display resolution                      | 1024*768 px                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|           | Display type                            | TFT-LCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | Output                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | USB                                     | Recharge / Connect to the Laptop/PC for data transfer during power on                                                                                                                                                                                                                                                                                                                                                                                                              |
|           | HDMI                                    | Yes, for connectivity to external monitor                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | Output resolution                       | Maximum 1024*768 px                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|           | Function of physical button             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | SET button                              | Menu / Confirm                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|           | PHO button                              | Take photos                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|           | REC/RET button                          | Record videos / Back                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|           | UP button                               | Select upwards                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|           | DWN button                              | Select downwards/ Decrease value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|           | POWER button                            | Switch on / off                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Recording function                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Recording format                        | JPG for photograph or MP4 for video                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|           | Memory capacity                         | Built-in SD card standard 32 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Power supply                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Power Adapter Input                     | 100-240V~, 50/60 Hz, max 1.5A                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|           | Battery                                 | Lithium-ion battery, 6400 mAh, DC 7.2V                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|           | Battery cycle life                      | >300 times                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|           | Working time                            | Continuous working time ≥4 h                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|           | Cleaning and Disinfection               | Note: Do not pour or immerse any liquid to the HM-01.                                                                                                                                                                                                                                                                                                                                                                                                                              |
|           | Recommended cleaning method             | It is recommended that wiped by water mixed with detergents or enzymatic solution for cleaning.                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Recommended disinfection method         | It is recommended that wiped by 75% medical alcohol.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Handle    | Physical specification                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Dimensions                              | 125 (h) x 37 (w) x 30 (d) mm                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|           | Weight                                  | 0.10 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | Function of handle button               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | PHO key                                 | Photo / Video / Return                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|           | Cleaning and Disinfection               | Note: Do not pour or immerse any liquid to the handle.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Blade     | Recommended cleaning method             | It is recommended that wiped by water mixed with detergents or enzymatic solution for cleaning.                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Recommended disinfection method         | It is recommended that wiped by 75% medical alcohol.                                                                                                                                                                                                                                                                                                                                                                                                                               |
|           | Blade model                             | Miller 00/0/1; Mac 1/2/3/4/5 ; MacD 1/2/3/4/5                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|           | Standard                                | CE marking according to Annex VIII, REGULATION(EU) 2017/745, Class I                                                                                                                                                                                                                                                                                                                                                                                                               |
|           | Environmental and Physical requirements |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Operating                               | Temperature: 5 °C-40 °C, atmospheric pressure: 860 hpa-1060 hPa, Humidity: 20%-80%.                                                                                                                                                                                                                                                                                                                                                                                                |
|           | Storage                                 | Temperature: -20 °C-60 °C, atmospheric pressure: 500 hPa-1060 hPa, Humidity: 10%-95%.                                                                                                                                                                                                                                                                                                                                                                                              |
|           | Water Resistance                        | IPX8 waterproof grade                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|           | Cleaning and Disinfection               | Note: Please refer to the IFU for details                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | Recommended cleaning method             | It is recommended that washed by water mixed with detergents or enzymatic solution for cleaning.                                                                                                                                                                                                                                                                                                                                                                                   |
|           | Recommended disinfection method         | Immersion disinfection of MetriCide 28 or equal effective disinfectant solution.                                                                                                                                                                                                                                                                                                                                                                                                   |
|           | Blade specification                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Type                                    | Reusable                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           | Packaging                               | Seal bag                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           | Blade material                          | SUS316L                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | Blade size                              | Miller00: 72mm(L)*14mm(W)*29.5mm(H)<br>Miller0: 84mm(L)*15mm(W)*29.5mm(H)<br>Miller1: 110mm(L)*15mm(W)*29.5mm(H)<br>MAC1: 101mm(L)*18mm(W)*34mm(H)<br>MAC2: 115mm(L)*21mm(W)*36.5mm(H)<br>MAC3: 126.5mm(L)*21mm(W)*39.5mm(H)<br>MAC4: 136mm(L)*22.5mm(W)*43mm(H)<br>MAC5: 149.5mm(L)*23mm(W)*51mm(H)<br>MACD1: 96mm(L)*18mm(W)*34mm(H)<br>MACD2: 115mm(L)*22mm(W)*50mm(H)<br>MACD3: 127mm(L)*22mm(W)*53mm(H)<br>MACD4: 136mm(L)*22mm(W)*57mm(H)<br>MACD5: 147mm(L)*22mm(W)*59mm(H) |
|           | Camera parameter                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Camera resolution                       | 2.0M px                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | Spatial resolution                      | ≥ 4.491 lp/mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|           | Light source Illuminance                | ≥ 400 lx, h=30mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|           | Light source                            | 6 x High intensity LEDs                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | Light range                             | ≥ Φ30 mm, h=30 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|           | Light source color temperature          | ≥ 2300 K                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           | Image sensor                            | CMOS (Complementary Metal Oxide Semiconductor)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|           | View angle                              | 66°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|           | View depth                              | 30-90 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           | Anti-fog                                | Yes, Anti-fog by heating                                                                                                                                                                                                                                                                                                                                                                                                                                                           |