

**MISURATORE DI PICCO DI FLUSSO**  
**PEAK FLOW METER**  
**SPIROMÈTRE DE CRÊTE**  
**MEDIDOR DE FLUJO ESPIRATORIO MÁXIMO**  
**MEDIDOR DE PICO DE FLUXO**  
**PEAK-FLOW-METER**  
**TOPPFLÖDESMÄTARE**  
**POOMETPO**



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**GIMA 33679 - 33680**

**REF DL-F03, DL-F04**



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Please read all the information in this manual before using the Peak Flow Meter.



#### **Precaution:**

1. The Peak Flow Meter is recommended for single patient use.
2. The Peak Flow Meter should be used under the supervision of a licensed healthcare professional.
3. If the PEF is used for longer than its specified life, the accuracy of the device may deteriorate.
4. Device use should be limited to exhalation only

**Note:** Patients symptoms take precedence over Peak Flow Meter readings.

## **Setting Action Zones**

Zone markers may be set with a stylus by the healthcare professional to give personal boundaries for implementing the asthma action plan.

## **To Use Peak Flow Meter**

1. Slide pointer to the bottom of the scale.
2. Hold device horizontally in front of your mouth.
3. Inhale as deeply as possible.
4. Seal your lips firmly around the mouthpiece.
5. Blow out as HARD and as FAST as possible for a second or longer.
6. Take care that tongue or teeth do not obstruct the airflow. A "spitting" action or coughing will give false readings.
7. Take note of the reading.
8. Repeat steps 1 to 7 three times and record the highest reading.
9. Take action according to your personal asthma management plan.

## **Cleaning**

Clean the outer surfaces after use. We recommend using an ordinary alcohol wipe (75%). Pay special attention to the mouth-piece area.

## **Indications for Use**

Device measures peak expiratory flow (PEF) for use on adults and paediatrics, 5 years and older, in primary care, clinics, hospitals and at home, under the supervision of a healthcare professional. PEF can be used to monitor progress in treatment of asthma, determine the severity of the asthma, check response to treatment during an acute asthma episode, detect worsening lung function and avoid a possible severe asthma flare-up.

## **Contraindications, Warnings, Cautions and Adverse Reactions**

- This device is intended to help you assess how well your asthma is under control, by measuring your peak flow which can then be monitored over time.
- Never attempt to dismantle the unit. This can cause faulty Peak Expiratory Flow scores.
- If you think that the device is not reading correctly, advise your healthcare professional immediately
- Any serious incident that has occurred in relation to the device should be reported to Taian Dalu or its Authorized Representative and the Regulatory Authorities of the country.

## **Disposal**

The peak flow meter and its accessories constitute minimally soiled waste from human healthcare and should be disposed of in line with local requirements.

## **Shelf Life**

3 years

## **Technical Specifications**

**Product:** Peak Flow Meters

**Model Number:** DL-F03, DL-F04

**Material:** ABS plastic

**Intended use:** Measure peak expiratory flow to monitor respiratory condition.

**Linearity:** The difference between the mean error at any two consecutive test flowrates shall not exceed 5 % of the larger of the two test flowrates. Under ambient conditions, the PEFM reading at any peak flowrate in the Measurement Range shall not vary by more than 10L/min or 5 % of the mean of the readings, whichever is greater.

**Resistance to flow:** The resistance to flow across the measurement range of the PEFM shall not exceed PEFM 0.36KPa/(L/s) [0.006kPa/(L/min)].

**Error of measurement:** The maximum permissible error shall be  $\pm 10\text{L/min}$  or  $\pm 10\%$  of the reading, whichever is greater.

**Frequency response:** The difference between the indicated PEF value of A and B shall, for an identical reference PEF, not exceed 15L/min or 12%, whichever is greater.

**Highest resistance to flow:** DL-F03: 0.20KPa/(L/s) @720L/min; DL-F04: 0.24KPa/(L/s) @200L/min.

**Measurement Range:** DL-F03: 60~800L/min,  
DL-F04: 50~400L/min

**Storage conditions:** store in a clean dry place

**Transport conditions Temperature:** 0-50°C

**Relative humidity** 10%-95%

**Peak Flow Meter performance standards:** EN ISO 23747:2015

**Maximum number of uses:** 7000 times

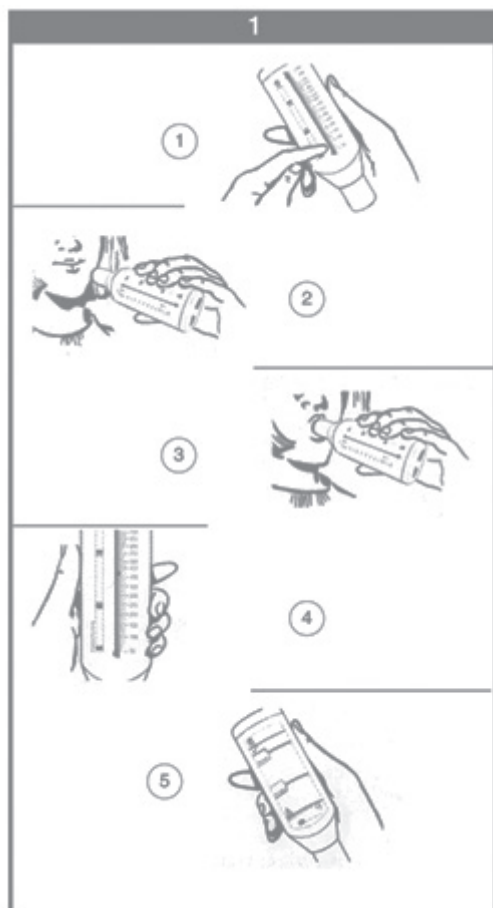
### Size/Weight

Model DL-F03: L155mm\*W48mm\*H28mm/ 55g













Model DL-F04: L155mm\*W48mm\*H28mm/ 55g

### Package Contents

Peak Flow Meters, Instructions for Use



**Symbols meaning**

	Product code		Keep away from sunlight		Consult instructions for use
	Lot number		Keep in a cool, dry place		Date of manufacture
	Manufacturer		Medical device compliant with Regulation (EU) 2017/745		Authorized representative
	Medical Device		Caution: read instructions (warnings) carefully		Unique Device Identifier

**GIMA WARRANTY TERMS**

The Gima 12-month standard B2B warranty applies.