

**OLYMPUS**<sup>®</sup>

Your Vision, Our Future



# PortaView-LF

Tracheal Intubation Fiberscope OLYMPUS LF-GP/TP/DP

*Reliable Performance  
Wherever You Need It*





## *Powerful Performance and Maximum Mobility — Now Available In Tracheal Intubation Fiberscopes*

Ideal for use in emergency situations, as well as bedside, operating rooms, and ICUs, Olympus PortaView-LF fiberscopes with built-in miniature light source offer excellent portability, extended battery performance, and exceptional observation capabilities.



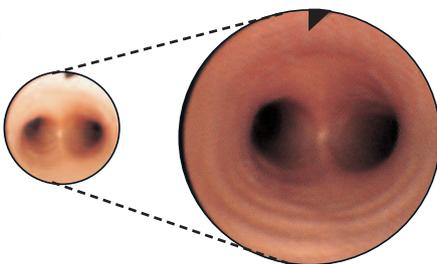
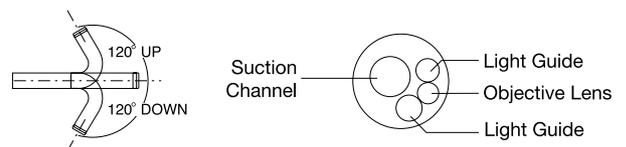
*Designed To Meet The Needs Of  
These New Tracheal Intubation  
Feature Exceptional Performance*

TRACHEAL INTUBATION FIBERSCOPE  
**OLYMPUS LF-GP**



**Versatile Scope That Can Be Passed Through Both Single- and Double-Lumen Tracheal Tubes**

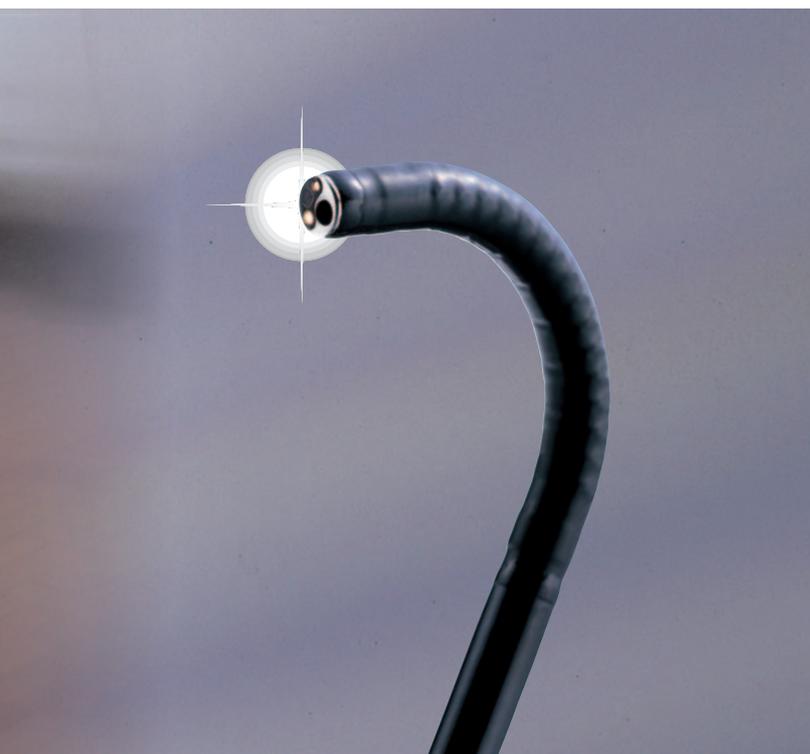
Offering many of the same useful features as our highly acclaimed LF-2 standard-type tracheal intubation fiberscope, the new portable LF-GP can be passed through single-lumen tracheal tubes with a diameter of 5mm or greater, as well as double-lumen tubes with a diameter of 37 Fr. or greater. With a 4.1 mm insertion tube outer diameter and a 1.5 mm suction tube inner diameter, this versatile tracheal intubation fiberscope simplifies intubation procedures and offers exceptional portability and efficiency. The LF-GP delivers 2.2 times Larger image, which is suitable for observation with a video system as well.



LF-2

LF-GP

**Expanded View-Field Size**  
Offering the same clear, brighter image quality as our other PortaView-LF scopes, the LF-GP delivers an image with a diameter 2.2 times larger than the LF-2.



**Emergency Medical Care,  
Fiberscopes  
And Excellent Portability**

**PortaView-LF**



TRACHEAL INTUBATION FIBERSCOPE

**OLYMPUS LF-TP**



**Sputum Suction Can Be Performed Quickly at Bedside, ICUs, and Operating Rooms**

With only a 5.2 mm insertion tube diameter, the LF-TP has a large 2.6 mm diameter channel through which even highly viscous sputa can be suctioned. The LF-TP can be easily passed through most single-lumen tracheal tubes used for adults, providing secure insertion of the tracheal tube into the airway.

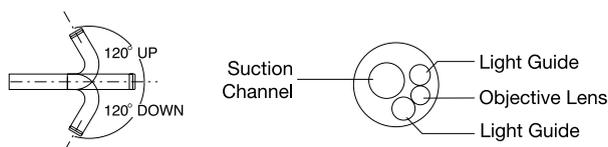
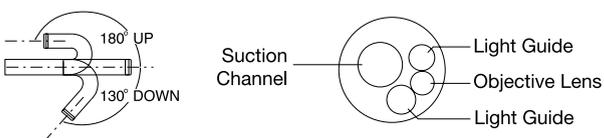
TRACHEAL INTUBATION FIBERSCOPE

**OLYMPUS LF-DP**



**Ideal for Position Confirmation of a Double-Lumen Tube in Differential Lung Ventilation**

This slim tracheal intubation fiberscope has an insertion tube diameter of only 3.1 mm. This size makes it ideally suited for insertion and position confirmation of the double-lumen tracheal tube used in differential lung ventilation. The scope can be passed through most double-lumen tubes used in tracheobronchial applications and offers excellent optical performance even with its small diameter. Excellent brightness, field of view, and depth of field enables accurate position confirmation of a tracheal tube cuff.



# PortaView-LF



Illumination is switched on when the miniature light source is turned in the opposite direction from the suction valve.

## Extended Battery Life

The miniature light source is powered by the same lithium battery normally used in cameras and uses a halogen lamp, enabling it to provide sufficient power duration and light intensity for tracheal intubation.

## Portable Design with Built-in Light Source

Incorporating their own miniature light source, Olympus PortaView-LF fiberscopes are a complete, all-in-one portable solution for emergency tracheal intubations. PortaView scopes can be carried easily to an emergency situation or to bedside. Their mobility and limited storage requirements also make them well suited for use in heavily equipped ICUs and operating rooms.

## Designed to Meet the Requirements of a Wide Range of Intubation Techniques

Whatever your intubation requirements, Olympus' versatile lineup of PortaView-LF scopes will meet your needs. Simply choose the scope that best suits your technique. In addition to the dual-purpose LF-GP, our lineup includes the small-diameter LF-DP which can be passed through any double-lumen tracheal intubation tube, greater than 32 Fr., and the LF-TP which has a large 2.6 mm diameter channel to allow suction of even highly viscous sputa.



## Exceptional Optical Performance with Bigger, Brighter Images and a Wider Field of View

Incorporating the same top-rated Olympus optical technology used in our other endoscopic products, PortaView-LF scopes offer a well-balanced combination of exceptional observation capability and exceptional portability.

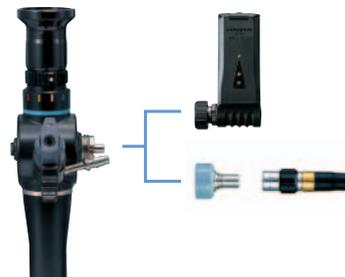
## Fully Immersible Waterproof Design

PortaView-LF scopes are completely waterproof and can be fully immersed in disinfectant solution for thorough reprocessing, reducing the risk of cross contamination. A rugged, durable design ensures reliable operation over extended periods.



## Compatible with Conventional Light Sources

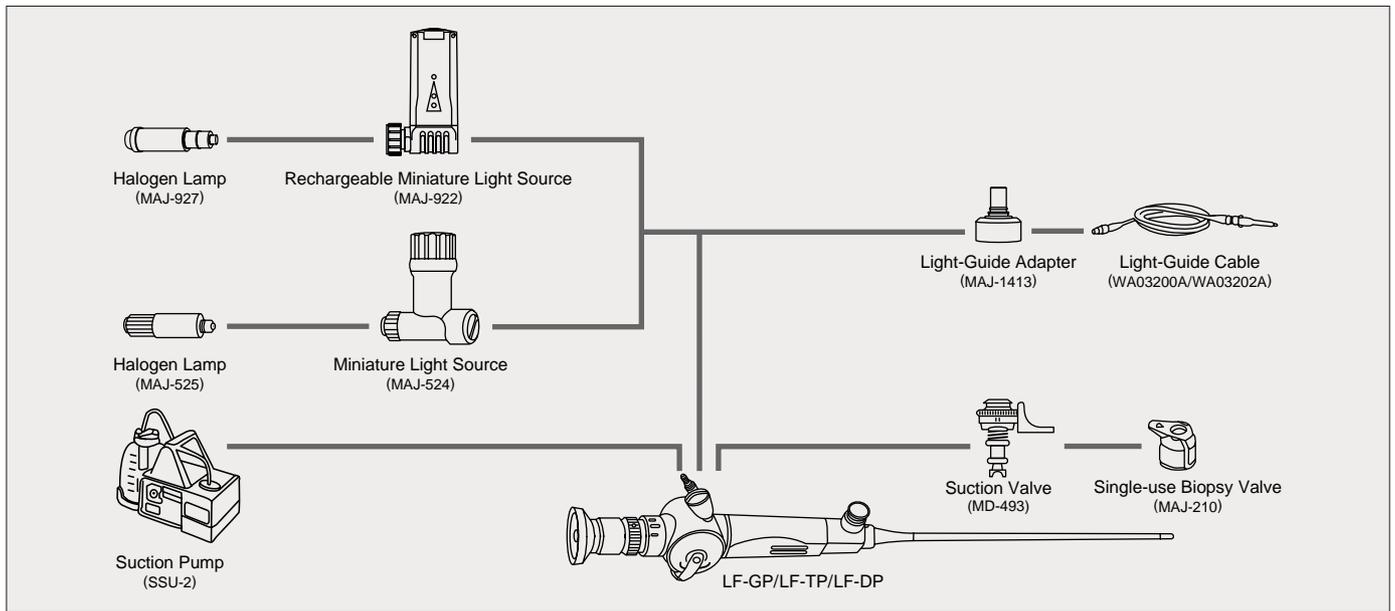
When combined with the light-guide cable and adapter, the PortaView-LF scope can be used with any Olympus light source.



(\* Do not use Light Guide other than Model WA03200A / WA03202A)



## System Chart



## Specifications

### LF-GP/LF-TP/LF-DP

		LF-GP	LF-TP	LF-DP
Optical System	Field of view	90°		
	Depth of view	4~50mm	3~50mm	
Distal End	Outer diameter	3.8mm	5.1mm	3.1mm
Insertion Tube	Outer diameter	4.1mm	5.2mm	3.1mm
Suction Channel	Inner diameter	φ1.5mm	φ2.6mm	φ1.2mm
Bending Section	Angulation range	Up 120°/Down 120°	Up 180°/Down 130°	Up 120°/Down 120°
Working Length		600mm		
Total Length		855mm		

### Miniature Light Source (MAJ-524)

Halogen Lamp (MAJ-525)	Output	2.5V, 1.7W
	Average Life	approx.20 hours
Lithium Battery	Product Number	CR123A/DL123A
	Average Life	approx.60 minutes

### Rechargeable Miniature Light Source (MAJ-922)

Halogen Lamp (MAJ-927)	Output	4.8V, 2.4W
	Average Life	approx.20 hours
Rechargeable Lithium Battery	Product Number	B-01E NiMH
	Average Life	approx.110 minutes

## Ancillary Equipment



### OTV-S7V VISERA VIDEO SYSTEM CENTER CLV-S40 VISERA XENON LIGHT SOURCE

Crisp, clear details and outstanding brightness and clarity provided by our high-performance video system will make your work much easier. Excellent system expandability and a powerful light source with a 300-watt long-life xenon lamp make this system the ideal complement to your scope.



### SSU-2/KV-5 Endoscopic Suction Pump

Compact and lightweight, this simplified water aspirator's diaphragm-type pump makes it extremely portable. When the 1.5-liter bottle is full, the unit stops suctioning automatically.



### CLH-SC Halogen Light Source

Incorporating a high-intensity 150w lamp, this light source offers illumination that exceeds what is typical for its class. Its compact, lightweight design makes it easier to transport.

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

**OLYMPUS**<sup>®</sup>

**OLYMPUS MEDICAL SYSTEMS CORP.**  
Shinjuku Mondith, 3-1 Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0914, Japan  
**OLYMPUS MEDICAL SYSTEMS EUROPA GMBH**  
Postfach 10 49 08, 20034 Hamburg / Wendenstrasse 14-18, 20097 Hamburg, Germany  
**OLYMPUS AMERICA INC.**  
3500 Corporate Parkway PO Box 610, Center Valley, PA 18034-0610, U.S.A.  
**OLYMPUS LATIN AMERICA, INC.**  
6100 Blue Lagoon Drive, Suite 390 Miami, Florida 33126-2087, U.S.A.  
**KEYMED LTD.**  
Keymed House, Stock Road, Southend-on-Sea, Essex SS2 5QH, England

**OLYMPUS SINGAPORE PTE LTD.**  
491B River Valley Road #12-01/04, Valley Point Office Tower, Singapore 248373  
**OLYMPUS HONG KONG AND CHINA LIMITED**  
Room 1520-1527, Ocean Centre, 5 Canton Road, Tsimshatsui, Kowloon, Hong Kong  
**OLYMPUS (BEIJING) SALES & SERVICE CO., LTD.**  
Room.1202, NCI Tower, A12 Jianguomenwai Avenue Chaoyang District Beijing, 100022, China  
**OLYMPUS MOSCOW LIMITED LIABILITY COMPANY**  
117071, Moscow, Malaya Kaluzhskaya 19, bld. 1, fl.2, Russia  
**OLYMPUS AUSTRALIA PTY LTD**  
31 Gilby Road, Mount Waverley, VIC., 3149, Australia

www.olympus.com