

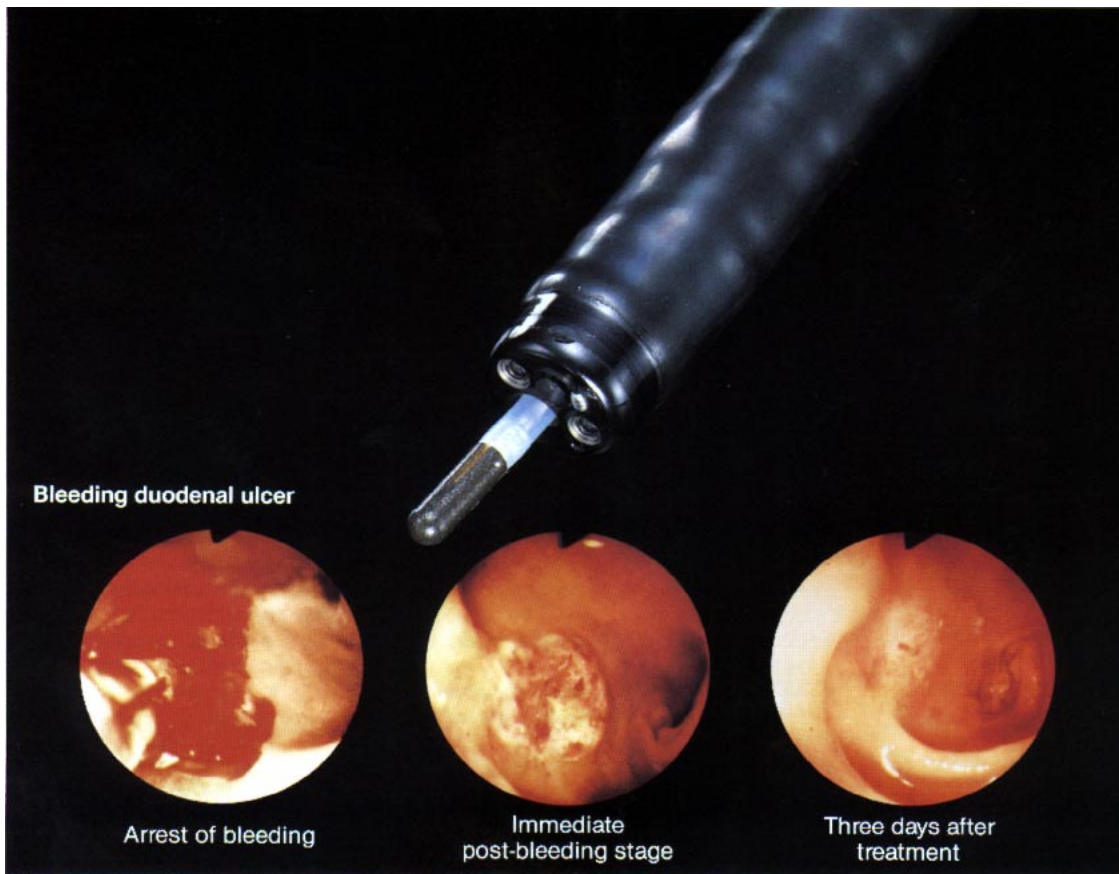
NEW FIBERSCOPE GENERATION

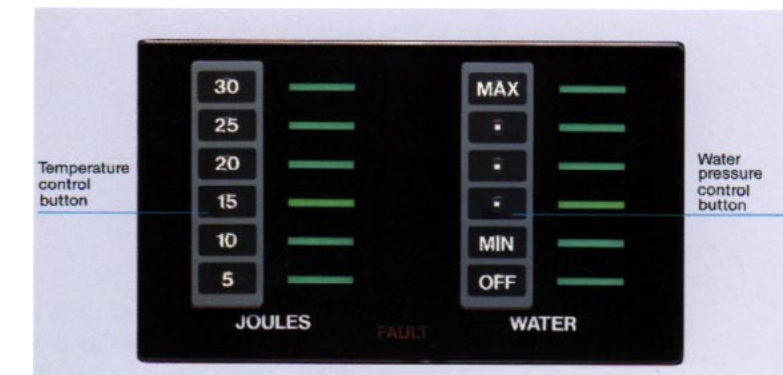


OLYMPUS ENDOSCOPY SYSTEM

OLYMPUS HPU

HPU HeatProbe Unit





Specifications

HPU HeatProbe Unit

	CD-10Z	CD-20Z
Compatible HeatProbe	Channel size: 3.7mm ϕ or larger	Channel size: 2.8mm ϕ or larger
Water container	250cc capacity container, autoclavable	
Water feed control	Foot pedal control (WASH pedal)	
Water pressure control	Pushbutton switches in 5 preset pressure levels	
Coagulation	Thermal emission at probe tip: At preset levels Heat control: Foot pedal control (COAG pedal) Heat generation terminates automatically when the preset limit is reached. Preset heat control levels: Pushbutton switches offer a choice of 6 preset levels of heat generation (5, 10, 15, 20, 25 & 30 joules).	
Foot pedals	WASH pedal (Water feed control) COAG pedal (Activation of heat energy)	
Compatible endoscopes	GIF-1T20 TJF-20 CF-1T20 GIF-1TV10 TJF-100 CF-1TV10/1T100	GI F-Q20/XQ20/PQ20/ K20/1T20 JF-1T20 TJF-20 CF-20 CF-1T20 CF-P20 PCF-20 GIF-XV10/1TV10/100 JF-100 TJF-100 CF-1TV10/100
Disinfection/sterilization	External surfaces: Wiping with alcohol Internal channels: Glutaraldehyde solution	
Power requirements	Voltage: 110V, 120V, 220-240V AC Input: 2.8A, 1.8A, 1.6A, 1.0A Frequency: 50/60Hz	
Dimensions	250(W) x 210(H) x 335(D)mm	
Weight	7.5kg	

Revolutionary Endoscopic Thermal Cauterization

Olympus HeatProbe Unit was developed to satisfy urgent medical demands for safe, reliable, and quick arrest of internal hemorrhaging. A major breakthrough in endoscopic cauterization, Olympus HeatProbe stops internal hemorrhaging using thermal energy generated by a diode chip built into its probe tip.

Easy Operation For Efficient Hemostasis

- Olympus HPU is extremely easy to operate, guaranteeing efficient, reliable hemostasis. Features include:
- Foot pedal control of coagulation and water feeding.
 - Thermal energy generated at the probe tip is presettable to desired levels with simple pushbutton switches.
 - Touching the probe tip to the bleeding site and depressing the COAG pedal arrests hemorrhaging.
 - Three water-jet nozzles on the probe tip for irrigation. (Two water jets on CD-20Z.)
 - Confirmation of the bleeding site before and during coagulation.

Safety Standards Far Above The Norm

- Besides achieving excellent hemostatic results, Olympus HPU is designed to ensure complete protection for patients as well as medical staff operating the unit, thanks to safety features far superior to currently accepted norms.
- Thermal energy is applied only to the site of bleeding. The technologically sophisticated energy control system produces an optimum heat level for each instance of hemorrhage.
 - The probe tip's rapid heat/cool capability guarantees minimum damage to surrounding healthy tissue.
 - Rapid reaction time delivers vital extra seconds, often crucial in emergency treatment of internal hemorrhages.
 - A special coating on the probe tip prevents any adhesion to body tissue.

Extremely Easy to Keep Clean & Sterile

As a hemostatic device, the HeatProbe must be kept clean and sterile at all times. Disinfection and sterilization can be conveniently carried out with alcohol, an ultrasonic cleaner, formalin, ETO gas, or glutaraldehyde solutions.

Full Compatibility With Olympus Fiberscopes

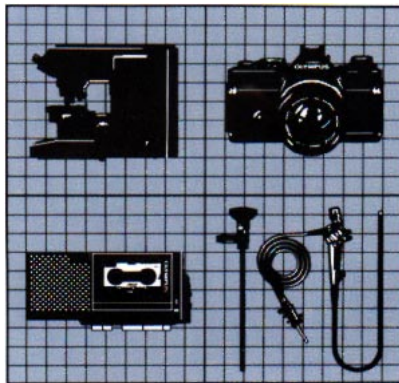
Olympus HeatProbe is compatible with endoscopes having a channel diameter of 2.8mm ϕ or larger (CD-20Z), and 3.7mm ϕ or larger (CD-10Z). For more information, please see the specifications.

HeatProbe CD-10Z/CD-20Z

		CD-10Z	CD-20Z
Probe tip	Structure	Cartridge-shaped tip with built-in diode, equipped with irrigation nozzles and specially coated to prevent adhesion to body tissue.	
	Outer diameter	3.2mm ϕ	2.5mm ϕ
	Rigid section	15mm	12mm
Outer diameter		3mm ϕ	2.4mm ϕ
Length		3,000mm	3,000mm

Safe, Reliable & Fast, OLYMPUS HeatProbe Effectively Arrests Internal Hemorrhaging.

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since its inception in 1919.
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which combines the resources of optics,
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OLYMPUS

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