

OLYMPUS®

More Heating Power
and Selectable Coagulation Levels

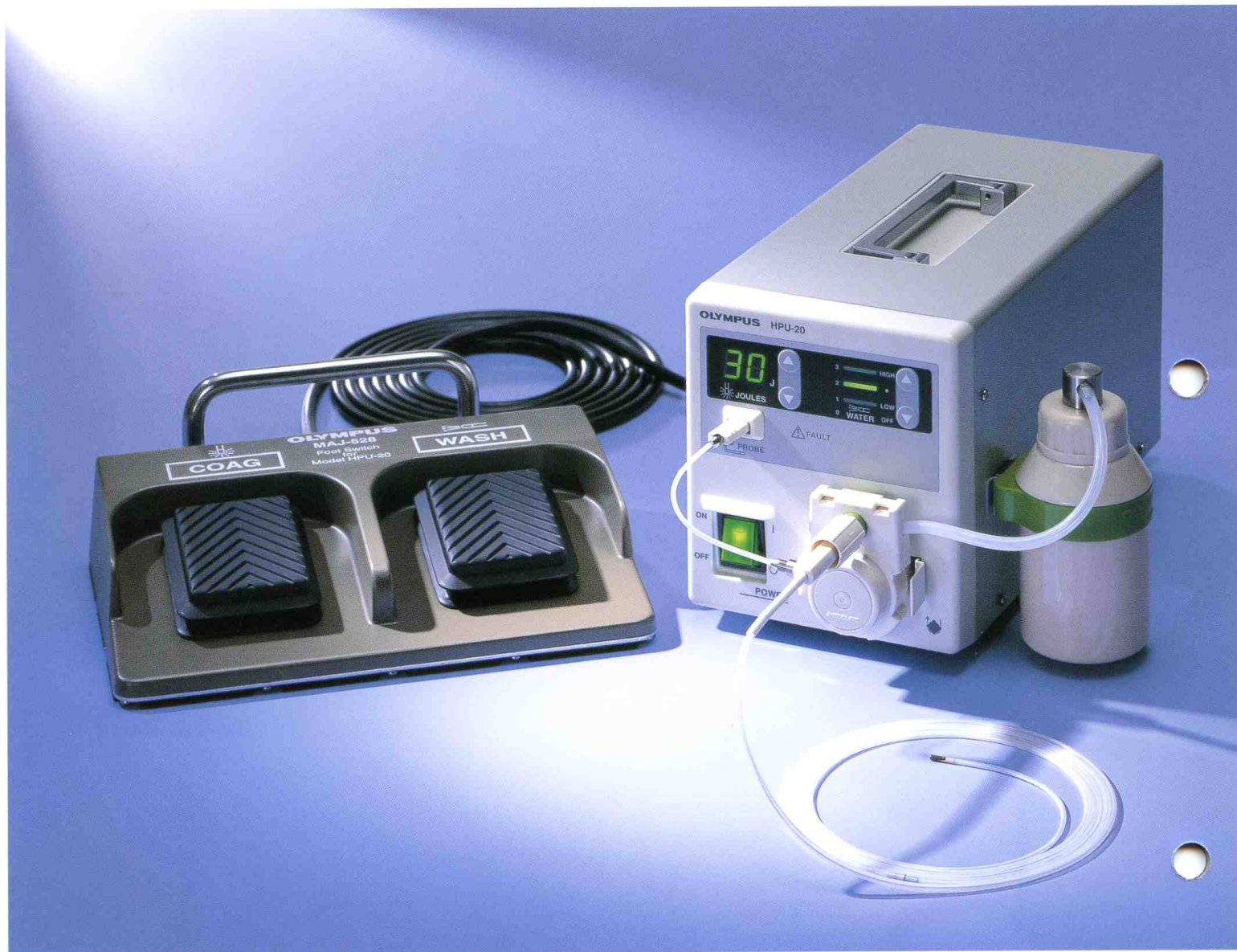
HeatProbe™



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OLYMPUS ENDO-THERAPY

HPU-20 CD-110U/120U

Olympus HPU-20 Ensures Reliable Hemostasis

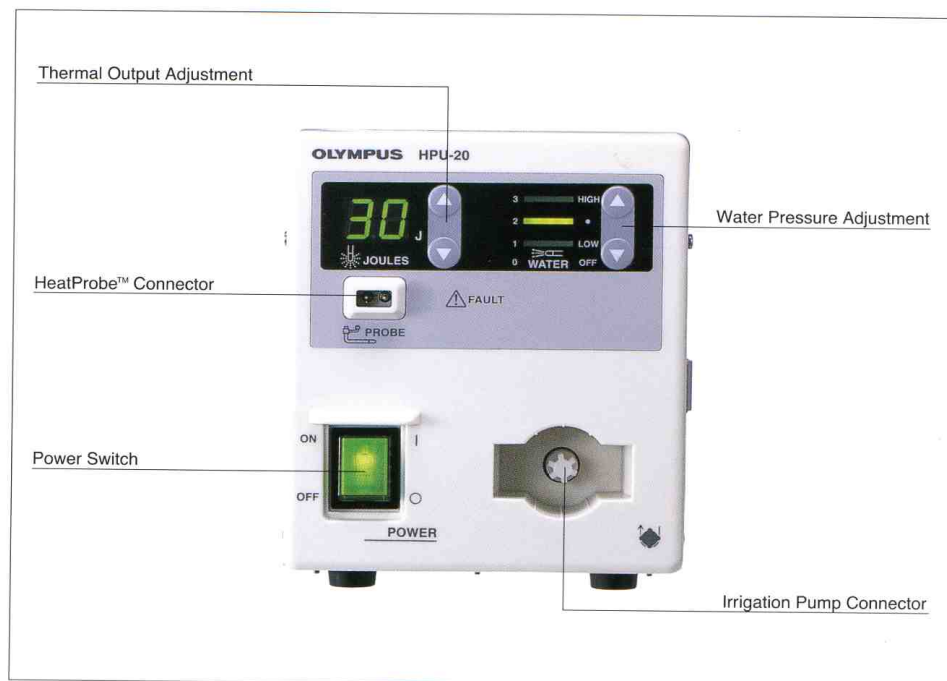


COAGULATION

Faster and more reliable — this unique heat-generating device delivers optimum temperatures and allows you to choose from six coagulation levels

With the CD-110U/120U HeatProbe™, hemostasis is achieved by a special heat-generating device built into the tip of the probe. In combination with the HPU-20 HeatProbe™ Unit, which provides higher coagulation heat generating power than those of conventional models, this enables a sure coagulation. You can also fine-tune the system according to the location and

amount of bleeding by selecting one of six different heat energy levels, ranging from 5J to 30J. By adjusting the amount of heat energy according to the level of hemorrhaging, you'll be able to perform more accurate hemostatic treatment. Jet irrigation from the nozzle at the tip washes the site to facilitate positioning, while the tip's special coating prevents sticking to the mucosa.



REPROCESSING

**Improved reprocessing capability
minimizes
cross-contamination risk**



EFFICIENCY

Leading-edge thermal control system

To reduce the risk of electric shock and heat injury, high-frequency current is not used by the heat probe. Moreover, because the new advanced thermal control system achieves rapid heating and cooling, critical hemostatic treatment can be performed almost instantly.

The HPU-20 has been designed to minimize the risk of cross-contamination. A newly developed tube-integrated irrigation pump can be detached from the main unit and autoclaved. Glutaraldehyde solution can also be passed through the tube. Probes are also autoclavable.

COMPACT, LIGHTWEIGHT & COST EFFECTIVE

Portable and cost-effective

This lightweight unit is barely two-thirds

OPERABILITY

**Two-pedal footswitch for easy
operation**



A convenient two-pedal footswitch enables easy operation of the HPU-20's heating and irrigating functions. Use the left pedal to perform coagulation, and the right pedal to control irrigation. When you press the left pedal, the selected heat energy is delivered. Choose from four irrigation levels on the front panel and activate irrigation by pressing the right pedal.

the size of a conventional model, making it highly portable and especially useful for emergency hemostasis. Above all, this unit is attractively priced to offer a level of performance that's hard to beat.

Specifications

■HeatProbe™ Unit (HPU-20)

Power Supply	Voltage	120V AC	220, 230 or 240V AC
	Input Current	1A	0.5A
	Voltage Fluctuation	Within±10%	
	Frequency	50/60Hz	
	Frequency Fluctuation	Within±1Hz	
Size	Dimensions	150 (W) ×170 (H) ×300 (D) mm	
	Weight	5.9kg	
Compatible Heat Probe		CD-110U:Scope Channel ϕ 3.7mm CD-120U:Scope Channel ϕ 2.8mm	
Coagulation	Energy Setting	Can be set in 6steps (5/10/15/20/25/30Joules) using the Energy Setting Switches on the front panel.	
	Output	Heat is generated by pressing the "COAG" pedal of the Foot Switch (MAJ-528).	
		Once the Foot Switch pedal is pressed, heat is generated until the set energy value has been supplied.	
Water Feeding	Water Feed Setting	Can be set in 4 steps("High" " ." "Low" "OFF") using the Water Feed Setting Switches on the front panel.	
	Output	Water is fed by pressing the "WASH" pedal of the Foot Switch (MAJ-528).	

■HeatProbe™

Model	CD-110U	CD-120U
Max. Insertion Portion Diameter	ϕ 3.4mm	ϕ 2.7mm
Working Length	2300mm	
Channel Diameter	ϕ 3.7mm min.	ϕ 2.8mm min.
Compatible Olympus HeatProbe™ Unit	HPU-20	
Compatible Olympus Irrigation Pump	MAJ-527	

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

OLYMPUS®

www.olympus.com

OLYMPUS OPTICAL CO., LTD.
2951 Ishikawa-cho, Hachioji-shi, Tokyo 192-8507, Japan
OLYMPUS OPTICAL CO.(EUROPA) GMBH.
Postfach 10 49 08, 20034 Hamburg / Wendenstrasse 14-18, 20097 Hamburg, Germany
OLYMPUS AMERICA INC.
2 Corporate Center Drive, Melville, N.Y. 11747-3157, U.S.A.
OLYMPUS LATIN AMERICA, INC.
6100 Blue Lagoon Drive, Suite 390 Miami, Florida 33126-2087, U.S.A
OLYMPUS KEYMED
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 REPRESENTATIVE OFFICE
Room 1401, East Tower, Gong Yuan No6 Royal Palace, No6 Gong YuanXijie, JianGuoMenNei, DongCheng District, Beijing, 100005, 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

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