



MULTIMED *Classic*[®]

ELMED
Lithotripsy Systems

MULTIMED *Classic*

In order to meet the rising needs of the lithotripsy world, ELMED, in an increasing manner, keeps their innovations, which enable users to make effective operations. As a result of such innovations, ELMED proudly introduces their Multimed Classic system including first ever dynamic patient recording and statistical reporting software which enables user to keep all necessary data of the patient during the course of the treatment. With this feature, there is no need to enter records of the patient on the separate environment. Multimed Classic provides cost effective and anesthesia-free, ambulatory treatment with excellent fragmentation.

ELMED is setting the standards.



ELMED

Lithotripsy Systems



With the recent developments in lithotripsy equipment, a new criteria is set for the new generation systems, which should benefit from not only dual imaging, but also accurate dual localization capability. Multimed Classic is equipped with a specially designed motorized Urological table with radiolucent top which enables to make all endourological operations under fluoroscopy. Multimed Classic enables users to localize the stones by using either specially designed U-arm fluoroscopy unit Lithoscope or standard C-arm unit as well as the computerized automatic ultrasonic localization robot arm, namely Lithoarm.



The Hi-tech ultrasonic localization system with computerized articulated robotic arm provides automatically localization of all kinds of kidney stones including the low density and non opaque stones. Lithoarm provides automatical localization feature which can be found only on the expensive new generation systems, with an affordable price.



The proven effectivity of Multimed Classic is achieved by the best combination of high energy Electrohydraulic Generator, geometry of reflector and special materials of standard electrodes. The system is designed to operate by both standard electrodes and long-life electrodes at users' option.

The optional ultrasound probe attachment whose center axis passes through the focal point on every position provides to the user real-time imaging and manual localization by ultrasound



MULTIMED *Classic*



Compact
Affordable
Upgradable
Cost effective
Transportable
Anaesthesia free
Efficient and safe
Fully Computerized
Low installation cost
Low maintenance cost
Out patient treatment
Short treatment time

**Treats the stones in the kidney,
entire ureter, bladder and elsewhere**

Main Specifications

MULTIMED CLASSIC

Energy Source	Electro-hydraulic system
Focusing	Ellipsoid
Patient Coupling	Membrane (Dry Coupling)
Localization	Fluoroscopy and/or Ultrasound
Focal Distance	135 mm.
Focal Dimension	7.5 x 22 mm. (50 % isobar dim.)
Focal Pressure	up to 1200 bar
Operating Voltage	variable 0 to 21 KVolt (24 KV for long-life system)
Frequency	variable 40 to 150 shocks/min.
Triggering Modes	Automatic, ECG, Respiratory and Manual (optional)
Water System	closed loop circuit with water cushion pressure regulation and 8.5 lt. water capacity
Height	1130 mm.
Length	1170 mm.
Width	460 mm.
Weight	210 kg.

UROLOGICAL TABLE

Height	850 to 1150 mm.
Patient Surface Width	640 x 1950 mm.
Table Support Width	750 x 1250 mm.
Weight	155 kg.
Table Adjustment Limiting	Electronically adjustment in 3-dimensions
Vertical Movements	300 mm.
Longitudinal Movements	100 mm. (150 mm. optional)
Lateral Movements	100 mm. (150 mm. optional)
Tilting	Lateral & Trendelenburg
Lifting Capacity	200 kg.

LITHOARM

Manipulator Type	Revolute type Articulated arm
End effector	Ultrasound Probe holder
Kinematics parameters	7 links, 6 joints and 5 angles
Angle Sensors	Precision resistive angle sensors
Software	32 bit execution under Windows XP
Application	Adaptable to every kind of lithotripters

LITHOSCOPE

Fluoroscopy Voltage	40 - 110 KVolts (Automatic Brightness Control)
Fluoroscopy Current	0.2 - 3.5 mA (ABC) two main selection
Image Intensifier	6" (7", 9", 12" optional)
X-Ray Tube	0.6-1.5 (1.8 mm. optional) mm. focal spot, fixed anode tube 40.000 H.U.
TV Camera	High resolution CCD Camera
Monitor	17" BW, 625 / 50 or 525 / 60 lines
Height	1830 mm
Length	1250 mm
Width	510 mm
Weight	225 kg

GENERAL

Main Supply	230 or 115 VAC±10%50-60 Hz Single Phase
The system complies with	According to EN 60601-1 Class I, Type B According to 93/42/MDD, Class IIb

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