



### Most Striking Feature

The vital feature of the **NIDHI LITH-Digi** is, the system transmits the pulses only after selection of the desired mode from the front panel and thereby eliminating a risk of injury due to accidental pressing of the foot switch during surgical procedure.

“**NIDHILITH**” *Digi* is a unique device for intra corporeal stone fragmentation by “Direct Contact Lithotripsy” under direct vision endoscopic control.

“**NIDHILITH**” *Digi* is the intra corporeal lithotripter having supremacy in techno-applicability point of view. It is a most reliable device, found to be an

### Features

- Attractive control unit molded with ABC plastic body.
- Light weight, compact and mobile.
- Digitally controlled flow and pressure device generates highly accurate pulses in the form of single pulse operating mode and continuous pulse operating mode. It is used to control power to the hand piece for better stone fragmentation.
- Design of master hand piece and digitally controlled flow and pressure device of **NIDHI LITH-Digi** provides minimum excursion and bilateral movement of the probe, so it gives safety to endoscope and avoid possible stone migrations.
- No possibility of heat generation inside, hence; no chance of any thermal injury.
- Pressure setting knob to set the desired pressure, which also facilitates constant monitoring of pressure by display.
- Single and multiple mode operations. In multiple modes, twelve options are available to change the frequency from 1 pulse/second to 12 pulses

Hand Piece for NIDHI LITH *Digi*  
NMS-HP-B



- Light weight.
- Long life.
- Para medical staff can easily dismantle it for maintenance and immediate service.
- Sterilization : Formalin chamber OR Cidex.

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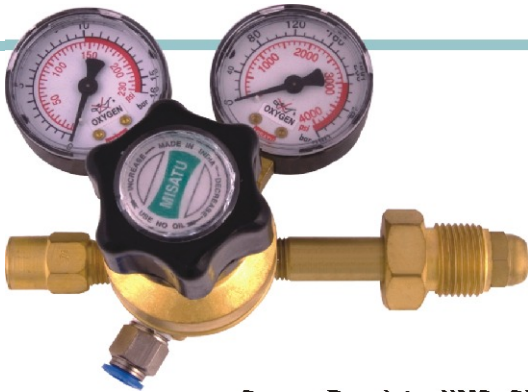


Hand Piece Top

Sterilization Cap



NIDHI LITH *Digi*  
Foot switch with cable



Oxygen Regulator NMS -OR

**SOURCE OF COMPRESSED AIR :** This electro pneumatic device requires the supply of continuous, quiet, clean and dry air pressure. The air source can be procured by three ways i.e. Air compressor, Central Oxygen System, Oxygen Cylinder.

**Central Oxygen System :** The unit can also be placed on central oxygen system in the hospitals or institutions which can provide the normal pressure to activate the system.

**Oxygen Cylinder :** This is the very common method to provide air pressure. The **NIDHILITH *Digi*** is connected with the oxygen cylinder. For this purpose, we provide oxygen regulator. Air

### PROBE :

Rigid lithotripsy probes are available in all sizes and compatible with any ureteroscope and nephroscope. Cost effective and durable. **Sterilization :** formalin chamber OR Cidex.

Ureterenoscropy Probe	Size : 0.8mm, 1mm, 1.1mm, 1.2mm, 1.4mm, 1.5mm	Length : 610mm
PCNL Probe	Size : 2.5mm, 3.0mm	Length : 450mm
Lithobridge Probe	Size : 1.5mm	Length : 460mm



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## Standard Accessories

- NIDHILITH control unit (01)
- Soft PU Air tubing to connect with hand piece (01)
- Air tubing to connect with control unit (01)
- Hand piece (02)
- Probes (06)
- Protection cap hand piece (01)
- Foot switch (02)
- Oxygen Regulator (01)
- Mains cable (01)

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HAND PIECE GUIDE COMPATIBLE WITH RICHARD G-WC WOLF URETERENOSCOPE (URS) to avoid bending of the probe



HAND PIECE GUIDE COMPATIBLE WITH OLYMPUS G-OC URETERENOSCOPE (URS) to avoid bending of the probe



HAND PIECE GUIDE COMPATIBLE WITH KARL G-KSC STORZ URETERENOSCOPE (URS) to avoid bending of the probe



**NL-VAC**

NIDHI LITH VAC Suction Device for URETERENOSCOPE (URS) and NEPHROSCOPE

**NIDHILITH Digi VAC** is an additional component for use with **NIDHILITH Digi** Intra Corporeal Pneumatic Lithotripter) via suction hand piece, hollow probes and hand switch for PCNL & URS.

It provides a better endoscopic vision as well as, ideal and safe stone location for disintegration in ureter, kidney and bladder during lithotripsy.

During and also post lithotripsy, suction is provided for remaining

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LITHO BRIDGE FOR FRAGMENTATION OF BLADDER NL-LTB Ston  
(Compatible with 25 Fr Cystoscope Sheath)



## Technical Specification

Supply Voltage	230 VA/ 50Hz± 10 % / 110 VA C @60 Hz± 10 %
Power Consumptions	30 Watts
Input Gas	Oxygen / Compressed Dry Air
In Let Pressure (Minimum) (To Control Unit)	4 Kg / Cms <sup>2</sup>
In Let Pressure (Maximum) (To Control Unit)	6 Kg / Cms <sup>2</sup>
Out Let Pressure Indication	0 - 5 Kg / Cms <sup>2</sup> by Digital display
Freq. of Impacts	Single Pulse Mode, Continuous Pulse Mode with twelve selectable options.
Control Unit (Made from rust free molded ABS plastic body)	Size : L 195mm X W 240mm X H 125mm Weight : 1930 gms
Hand Piece (Made from Aluminum Alloy)	Weight : 105 gms
Probe (Made from S.S. Alloy-as per ISO-10993 standard)	
Ureteroscopy Probe	Size : 0.8mm, 1mm, 1.1mm, 1.2mm, 1.4mm, 1.5mm Length : 610mm
PCNL Probe	Size : 2.5mm, 3.0mm Length : 450mm
Lithobridge Probe	Size : 1.5mm Length : 460mm
Manufacturing standard	IEC-60601 - 1 - 1
	IEC-60601 - 1 - 2
	ISO 10993 - 2003