

CALCULITH®

THE SYSTEM OF HIGH TECHNOLOGY AND SUPERIOR PERFORMANCE

The PCK Calculith is a minimally invasive endoscopic lithotripter that successfully fragments stones regardless of their composition, type, size or location. The unique mechanical and electronic design developed by PCK allows the Calculith to produce more power at less air pressure than the traditional pneumatic units.

The Calculith's incorporation of cutting-edge technology to create unsurpassed versatility and ease of operation has made PCK's intracorporeal lithotripter the most advanced system in the market today.

From the microcontroller-controlled electronics to the easily maneuverable handpiece, this model reflects the high quality and reliability demanded by today's most modern medical facilities.



▶ **Advanced LCD Screen:**

The Calculith provides for precise, accurate stone-breaking treatments by means of its user friendly alphanumeric LCD screen that explains what the user needs to do (i.e., Press ON to Begin) and what is being done. During operation, the screen displays the type of pulses (single/continuous), the number of pulses (up to 9999) and the frequency of the pulses (300-600 per minute) being administered in continuous mode.

▶ **Variable Frequency:**

Since the patient, calculi and stone's location are always different, more effective treatments require the frequency of the pulses to be variable. The Calculith uniquely allows the rate of pulses per minute to be instantaneously changed according to the physician's desire. This is done by selecting one of the four easily settable memory buttons or by pressing either the increase or decrease scrolling arrow on the soft-touch panel.

▶ **Easy to Hold Handle:**

The Calculith's innovative engineering design permits complete control and non-slip operation through its revolutionary and lightweight gun-shaped handle. The lithotripter is also twice as powerful as the traditional one-hose models, thanks to its original and patent pending PCK twin-tube propulsion system. In addition to doubling the efficiency, it also provides a more sanitary and healthy operating atmosphere.

THE PCK CALCULITH

The Right System,
The Right Choice



Advanced Medical Systems

CALCULITH V.3 Specifications

Energy Principle

Completely inelastic collision principle with vibration

Energy Source

Compressed air (cylinder), compressor, or theater wall air supply

Compressed Air Pressure Requirement

2 - 4 Bar

Operating Modes

Energy

Continuous adjustment

Pulse rate

Single or continuous

Control Unit

Foot switch; waterproof, air activated

Main Supply

Power requirements

220-240V AC, 50/60Hz; 110-120V AC, 50/60Hz, single phase

Power fluctuation

±10% fluctuation

Electrical isolation

Transformer protection, 12V DC secondary voltage

Grounding

100 ohm or less in grounding resistance

Dimensions

Width

320 mm (12.6")

Height

120 mm (4.7")

Length

335 mm (13.2")

Weight

3 kg (6.6 lb)

Nails (Probes)

Diameters (mm/Fr)		Length (mm/inch)		
0.8	(2.4Fr)	610	(24")	Flexible
1.0	(3.0Fr)	610	(24")	Flexible
1.2	(3.6Fr)	610	(24")	Semi-Flexible
1.5	(4.5Fr)	610	(24")	Rigid
2.0	(6.0Fr)	610	(24")	Rigid
3.2	(9.6Fr)	610	(24")	Rigid

These standard lengths can be adjusted upon request.

Compatible Endoscope Brands

Any for urology, ENT, or GI

Sterilization

Wand, nails

Gas sterilization

Chemical sterilization

Autoclave sterilization

Environmental Conditions

Operating temperature

+5°C to +35°C (41 °F - 95 °F)

Relative humidity

10% to 90%

Barometric pressure

700 to 1060 mbar

Display

16 x 2 alphanumeric backlight LCD display including pulse counts, frequency, memory conditions, pulse conditions.

Memory

There are four independent memory buttons that can be used to set the number of pulses per minute in continuous mode.

Safety Standards

IEC 601.1, class 1, type B

Quality Standards

ISO 9001

*Patent pending

Due to continued product innovation, specifications may change without notice.



PCK Electronic Industry and Trade Co., Ltd.

Turan Güneş Blv., Konrad Adenauer Cad. 59/1 Sancak, Çankaya 06550 Ankara TÜRKİYE

Phone: +90 (312) 491-6010 Fax: +90 (312) 491-6011

PCK Factory Division:

Ankara Sanayi Odası 1. Organize Sanayi Bölgesi Orhan Işık Cad. No: 4 Sincan ANKARA

Phone: +90 (312) 267-2046 Fax: +90 (312) 267-0609

www.pckmed.com

intlsales@pckmed.com