

## **KROTON EXPERT — TECHNICAL DATA**

Kroton Expert trainer is a product uniquely placed on the market. The set includes the laparoscopic camera with optics, allowing an operator and a cameraperson to perform laparoscopic surgery simulation in conditions similar to an operating room environment. The set comes with the largest market offer, and includes seventeen laparoscopic training modules. Training modules have been prepared to guide trainees and facilitate a transfer of comprehensive laparoscopic skills, so that they can enhance their hand-eye coordination first, and then practice standard medical surgeries. The trainer is mounted on our ergonomic workstation. The station is mobile. There is an additional drawer placed under the trainer allowing for the storage of training modules.

## **Component Elements of the Trainer:**

- The trainer device shaped to mirror operating room conditions, equipped with 15 ports.
- External instructional Full HD laparoscopic camera (1920×1080 pixels).
- 17 training modules, a stand for an organic training module.
- Software allowing to measure time, save a recorded training session, display an image registered by the trainer on a computer connected to the same LAN network.
- Training workstation with the display monitor.
- LED lighting.





Name	Kroton Expert Laparoscopic Trainer
Dimensions of the Trainer with the Trolley	172 x 61 x 80 cm
Trainer's External Dimensions	42 x 43 x 26.5 cm
Workstation Description	The trainer is an independent workstation
	equipped with locking castors. There is a
	drawer mounted under the trainer for the
	storage of training modules. Height of the
	trainer's table is adjustable. The trainer's
	table is fitted with holders for laparoscopic
	tools.
Number of Holes for the Trainer's Tooling	15 holes helping to position the tools in a
	way facilitating the practice of majority
	laparoscopic procedures.
Laparoscopic Camera	Instructional laparoscopic camera allows
	to develop good habits and enhance
	cooperation between an operator and a
Language of Carray Halday	cameraperson.
Laparoscopic Camera Holder	The trainer is equipped with the
	laparoscopic camera holder used to train
Laparoscopic Camera's Parameters	one person.  The trainer is fitted with the instructional
Laparoscopic Carriera's Farameters	laparoscopic camera with laparoscopic
	optical elements. Our camera has Full HD
	resolution of 1920 x 1080 pixels. The
	camera's quality is comparable to an
	authentic laparoscopic camera.
Display Monitor	24"
Monitor Holder	The display holder allows for the
	adjustment of the display monitor.
Laparoscopic Tools	The set includes genuine, reusable
	laparoscopic tools.
	1. Grasper
	2. Needle holder
	3. Dissector
	4. Scissors*
Laparoscopic Training Modules	The set includes 17 training modules:



	1 Ponds 1
	1. Beads 1 2. Beads 2
	3. Pipe Cleaner
	4. Numbers
	5. Puzzle
	6. Hanoi Towers
	7. Sorter
	8. Bead Maze
	9. Anastomosis
	10. Myomectomy — Lodge
	replacement element
	11. Wound for Suturing
	12. Skin for Cutting & Suturing
	13. Suture Pad
	14. Surgical Cutting
	15. Vascular
	Ligature
	16. Small Intestine
	17. Dissection & Clipping
Software	Software Functions:
	- Training time measurement
	– Training session recording
	– Assigning the session to a trainee
Trainer Operation within LAN Network	The concept consists in the connection of
	several trainers to an instructor's
	workstation with a computer linked to the
	LAN network.
	The instructor views images sent from
	trainers on his monitor, and can give
	training suggestions by pointing his cursor
	on the screens of the trainers.
Lighting	LED
Power Supply	230V