



TAK710:

TOURNIQUET AUTOMATED KIT

by Xmetix

The **ONLY** Automatic Adjustable Tourniquet

The revolutionary
'Stop the Bleed' solution
redefining emergency response



Company Background

Xmetix is a young company dedicated to revolutionizing post injury survivability through the development of cutting-edge stop-the-bleed devices.

Our primary focus is on introducing an innovative smart tourniquet that outperforms existing solutions in terms of speed, reduced human error, and ease of use.

Xmetix's automatic tourniquet, controlled by sophisticated software, requires just one button press to activate, making it the ideal option for both military and civilian environments, and intuitive to all experience levels.

The Need

Limb injuries are too common and pose a significant threat to life and well-being, particularly in military and civilian settings. In fact, they account for a staggering 70% of all injuries in combat zones and car accidents. Xmetix has taken it to the next level with its state-of-the-art tourniquet design, aiming to significantly increase the tourniquet success rate for trained and untrained users ensuring efficiency of treatment with effective life-saving results.

Technical Information

- Adjustable for various limb sizes
- Tourniquet application time up to 20 secs
- Preliminary applied pressure: 200-250 mmHg
- Occlusion pressure is maintained automatically up to 6 hours
- Tourniquet operation time indication from activation up to 6 hours
- Stripes material: 0755 Nylon Webbing
- Product Weight: 6.34 oz/ 180 gr
- The device is for single use only and designed to save lives. Once the red safety pin is removed, it must be used and cannot be reused

Unique Selling Points

- The **ONLY** automatic adjustable tourniquet
- Fast and easy to operate
- Easy to follow, user manual
- Requires very short training
- Hands free operation (using one hand only)
- Operated by a push button
- Easy to operate Tighten and Release buttons (for usage of medical personnel only)
- Enables simultaneous treatments on multiple patients, quickly and efficiently
- Previous experience is **NOT** required



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Comparison Table

XMETIX SMART TOURNIQUET TAK710 TO EXISTING SOLUTIONS



Tourniquet's unique properties	Existing Solutions (Passive operation)	TAK710 by (Active Operation)
Device consists of	Buckled strap with Windlass rod and Retention clip.	Intuitive buckle strap with battery, small motor and PCB
Application	• Manual • Buddy assisted hand crank • Difficult to deploy in the dark • Difficult to deploy in slippery conditions • Difficult to self-apply • Inconsistent force	• Automatic • Quick activate button • Easy to activate in the dark • Easy to activate when wet • One finger self-application • Rotational, consistent force
Pressure mechanism	• Painful • Hand crank to build pressure • Pressure gradients with pinch points • Requires manual pressure adjustments	• Uncomfortable feeling • Automatically applies adequate pressure • Continuous, circumferential pressure • Maintains adequate pressure
Risks/benefits	• No pressure monitoring • Unacceptable • Failure rate • Human error: (limb trauma from overtightening, failure to occlude flow, improper application) • Buddy assistance - takes a soldier out of the fight • Potentially harrowing experience - inflicting pain on buddy • Inconsistent application time • Inconsistent manual deflation • Low cost	• Monitors pressureLow failure rate • Automated operation, with safeguards • Keeps non injured soldiers in the fight • Self/buddy-applied in less than 20 sec • Automated, rapid application • Gradiante release • One of a kind value for money

Certifications



Xmetix LTD

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LOGISTICS INFO GUIDE

Regulatory & Storage Information

- **HTS Code:** 90189080
- **Storage Temperature:** -10°C (14°F) to +40°C (122°F)
- **Operating Temperature:** -30°C (-22°F) to +60°C (+140°F)
- **Shelf Life:** 5 years
- **Hazardous Components / Batteries:** Contains CR2 9V Prime Battery
- **Country of Origin:** Israel
- **Storage Requirements:** Product MUST be stored indoor, in a dry environment, protected from direct sunlight

Packaging and Shipping Information

	TAK 710	BOX		PALLET		CONTAINER	
		BOX	MASTER BOX	US PALLET	EURO PALLET	CONTAINER 20F	CONTAINER 40HQ
TAK 710	1	10	50	1000	800	US 9000 PCS / EU 8800 PCS	US 21,000 PCS / EU 20,000 PCS
BOX	10	1	5	100	80	US 900 PCS / EU 880 PCS	US 2100 PCS / EU 2000 PCS
BOX - MASTER	50	5	1	20	16	US 180 PCS / EU 176 PCS	US 420 PCS / EU 400 PCS
PALLET USA	1000	100	20	1	-	9	21
PALLET Euro	800	80	16	-	1	11	25
STAKING	YES	20	4	NO	YES	YES	YES
VOLUME (CBM)	0.0015	0.0146	0.073	2.2	1.7	-	-
VOLUME (CU FT)	0.05	0.5	2.6	76.5	60	-	-
WEIGHT (KG)	0.19	1.9	9	200	163	US 1800 LB / EU 1793 KG	US 4200 LB / EU 4075 KG
WEIGHT (LB)	0.4	4.1	20.5	441	359	US 3968 LB / EU 3952 KG	US 9259.4 LB / EU 8983.8 KG

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