



BIOSCOPE

Intraoperative Neuromonitoring Device
(IONM)



Approved by FDA

WHO ARE WE? ●●●

We started our journey in Ankara in a small office in **2012**. Now, we are working with a team consisting of **50+** people, as **manufacturer of Turkiye's first ICU type mechanical ventilator**.

WHERE ARE WE IN THE WORLD? ●●●

Since our founding, we have reached over **40 countries** on **5 continents** with **19000+** device making an impact on global health.

Turkiye

With the market share of **38%** with more than **6200 units**.

Brazil

The **largest single mechanical ventilator delivery ever made** in the world with **1752 units**.

Kazakhstan

With the market share of **15%** with **1680 units**.

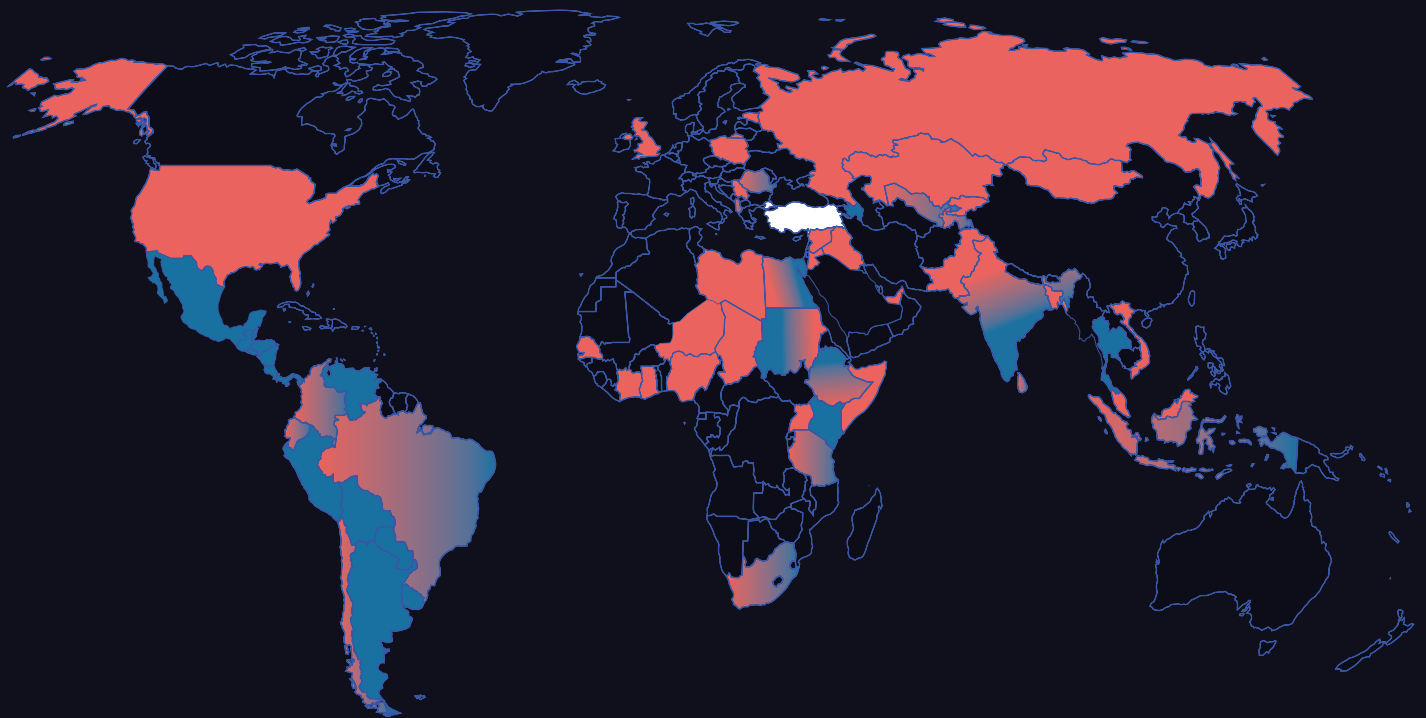
Romania

Delivery in **less than 16 days** after agreement with **384 units**.

Thailand

Delivery in **12 different cities** on the same day with **433 units**.

● Devices ● Distributors ● Devices & Distributors



Administrative Office in Ankara

HEADQUARTER

8000m2 Factory in Batman

FACTORY

Research & Development Office in Ankara

R&D OFFICE



WHY BIOSCOPE ●●●

The Bioscope Neuromonitoring Device reduces surgical risks in thyroid, parathyroid, hand, facial, and ENT procedures by continuously monitoring nerve function. Real-time audio and visual feedback helps protect patient from injury and permanent damage.



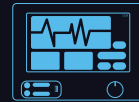
Maximum Patient and Physician Safety



Long Lasting Battery Life



Detailed Operation Report and Documentation



Functional and Aesthetic Interface



Portable Design and Easy Setup

CLINICAL APPLICATIONS OF BIOSCOPE ●●●



Thyroid Surgeries



Parathyroid Surgeries



ENT (Ear, Nose Throat)



Hand and Facial Nerve Surgeries



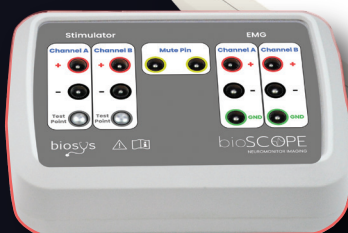
Peripheral Surgeries

HANDLE

Carrying handle for easy transportation

STIMULATOR

Neurobox connection to connect probs and tubes



NEUROBOX

Patient interface of the device

USB

Data recording and exporting via USB connection

10.1" SCREEN

10.1 Inch high sensitive touch screen
1024 X 768 Resolution

MULTI-USE KNOB

360° Rotating and Clickable knob

BATTERY

Dual internal batteries ensure up to 2 hours of operation



TECHNICAL FEATURES ●●●

General Features ●●●

Audio and visual feedback
Data recording and reporting
Electrode status check with impedance measurement
Artifact Protection

Physical Features ●●●

Height	30 cm
Depth	12 cm
Width	35 cm
Weight	4.5 kg

EMG Amplifier ●●●

Input	1/2 Channel
Automatic/Manual Gain Selection	1-50K
Bandwidth	30Hz - 30KHz
Input Sensitivity	1 - 100k uV
Input Noise	8 nV/ $\sqrt{\text{Hz}}$ maximum input voltage noise at 1 kHz 100 fA/ $\sqrt{\text{Hz}}$ current noise at 1 kHz
Input Impedance	30G Ω
Common Mod Rejection	>90 dB@60Hz
DC Offset Rejection	$\pm 4.00\text{VDC}$

Modes ●●●

Single Channel
Dual Channel

Internal Fuse ●●●

32 mA Model F, 250 V 5 x 20 mm
(Other similar fuses may not provide the same degree of protection)

Alarms ●●●

Battery
High Current Alarm
High Voltage Alarm
High Temperature Alarm
Voltage Alarm
Prob Connection Alarm

Stimulator Parameters ●●●

Current	0.01-10 mA
Frequency	1Hz - 5Hz
Output Sensitivity	$\pm 0.01 \text{ mA} \pm 10\%$
Measurement Accuracy	$\pm 0.02 \text{ mA} \pm 10\%$
Compliance Voltage	24V
Wave Width	50, 100, 150, 200, 250, 300 us
Graph Time	10, 20, 30, 40, 50, 100 ms