ETHICON GEN11 Generator

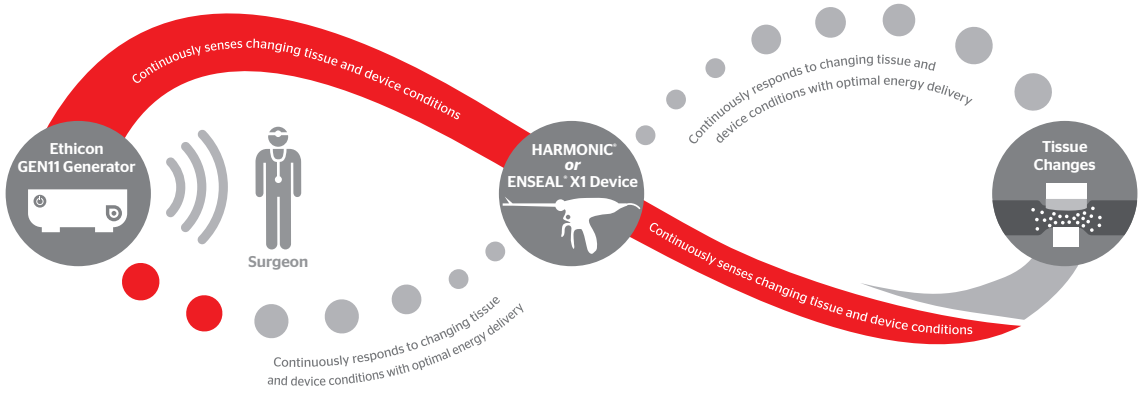
with **Adaptive Tissue Technology**

Intelligent energy delivery to advance patient outcomes

Adaptive Tissue Technology, powered by the Ethicon GEN11 Generator, uses an advanced algorithm for intelligent and efficient energy delivery. In HARMONIC® and ENSEAL® X1 devices, it continuously:

- **Senses** changes in tissue and device conditions
- **Responds** with the optimal amount of energy
- **Delivers** greater precision[1,2] and efficiency[3,4]

The Intelligence of **Adaptive Tissue Technology**



ETHICON
PART OF THE Johnson & Johnson FAMILY OF COMPANIES
Shaping the future of surgery

Harmonic® | Enseal®

ETHICON GEN11 Generator

Powers the complete line of HARMONIC® and ENSEAL® X1 devices utilizing Adaptive Tissue Technology, which facilitates:

Adaptive Tissue Technology

SEALING	• Strong and secure sealing of vessels up to 7 mm[5,6,7]
THERMAL MANAGEMENT[1,2]	• Minimal lateral spread • Reduced thermal damage

Product features

Intuitive high-res touchscreen display
Fast and easy setup and operation with on-screen diagnostics

Universal connector
Magnetized teardrop-shaped connector to ensure proper alignment and automatic instrument recognition

Upgradable software
Supports future Ethicon Energy devices and limits the obsolescence of capital

Compact design
Takes up less space in the OR and affords multiple placement options as well as easy transportation

Ordering information

PRODUCT CODE	DESCRIPTION	QTY	COMPATIBLE WITH
GEN11	ETHICON GEN11 Generator	1	All HARMONIC® and ENSEAL® devices
FSW11	Generator Footswitch	1	ETHICON GEN11 Generator
CRT11	Generator Cart	1	ETHICON GEN11 Generator
EGA11	ENSEAL® Connector	1	ETHICON GEN11 Generator and current ENSEAL® disposable instruments
HGA11	HARMONIC® Connector	1	ETHICON GEN11 Generator and current HARMONIC® handpieces

For more information, contact your local Ethicon sales professional or go to Ethicon.com

REFERENCES: 1. As compared to HARMONIC® devices without Adaptive Tissue Technology (C1949). **2.** Preclinical testing on porcine carotids ENSEAL® that measured mean max lateral thermal damage via histology (p=0.005). (C2155). **3.** Based on a bench-top analysis of cycles-to-failure following induced damage to blade v. ACE-E; Median cuts to failure: Sterilmed 17.5, Ascent 8.5, HAR36 1987, HAR23 2110. (p<0.001). And based on a bench-top comparison of time to cool to 50°C, HAR36 versus ACE36E without Adaptive Tissue Technology. Mean time 93s HAR36 vs. 123s Sterilmed reprocessed ACE36 (p<0.05); mean time 94s HAR36 vs. 124s Ascent reprocessed ACE36 (p<0.05) (C1459). **4.** (C2122) **5.** In bench-top studies with 5–7 mm porcine carotids that compared median burst pressure, HARMONIC ACE®+7 exhibited higher burst pressures (p< 0.001) and LigaSure™ Advance (p< 0.001). (C1841) **6.** In a benchtop study with 5-7 mm porcine carotid arteries that compared median burst pressure, HARMONIC® HD 1000i (1878 mm Hg) vs. (1378 mm Hg) (p=0.0004). (C 2039) **7.** Preclinical testing on porcine carotids (n=34). (C2118)

ETHICON
PART OF THE Johnson & Johnson FAMILY OF COMPANIES
Shaping the future of surgery

For complete product details, see Instructions for Use.

062996-161109

COPY–21006–EN