MEGADYNE®

The Electrosurgical Authority™

Mega Power® Quick Start Guide

On/Off Power Switch
Press button to turn the generator on or off. Lights will blink for 8 seconds while the system performs a self diagnostic system check.

Recall Button
Recalls the last mode and the last power setting used after the system is turned on, and the recall button is pushed.

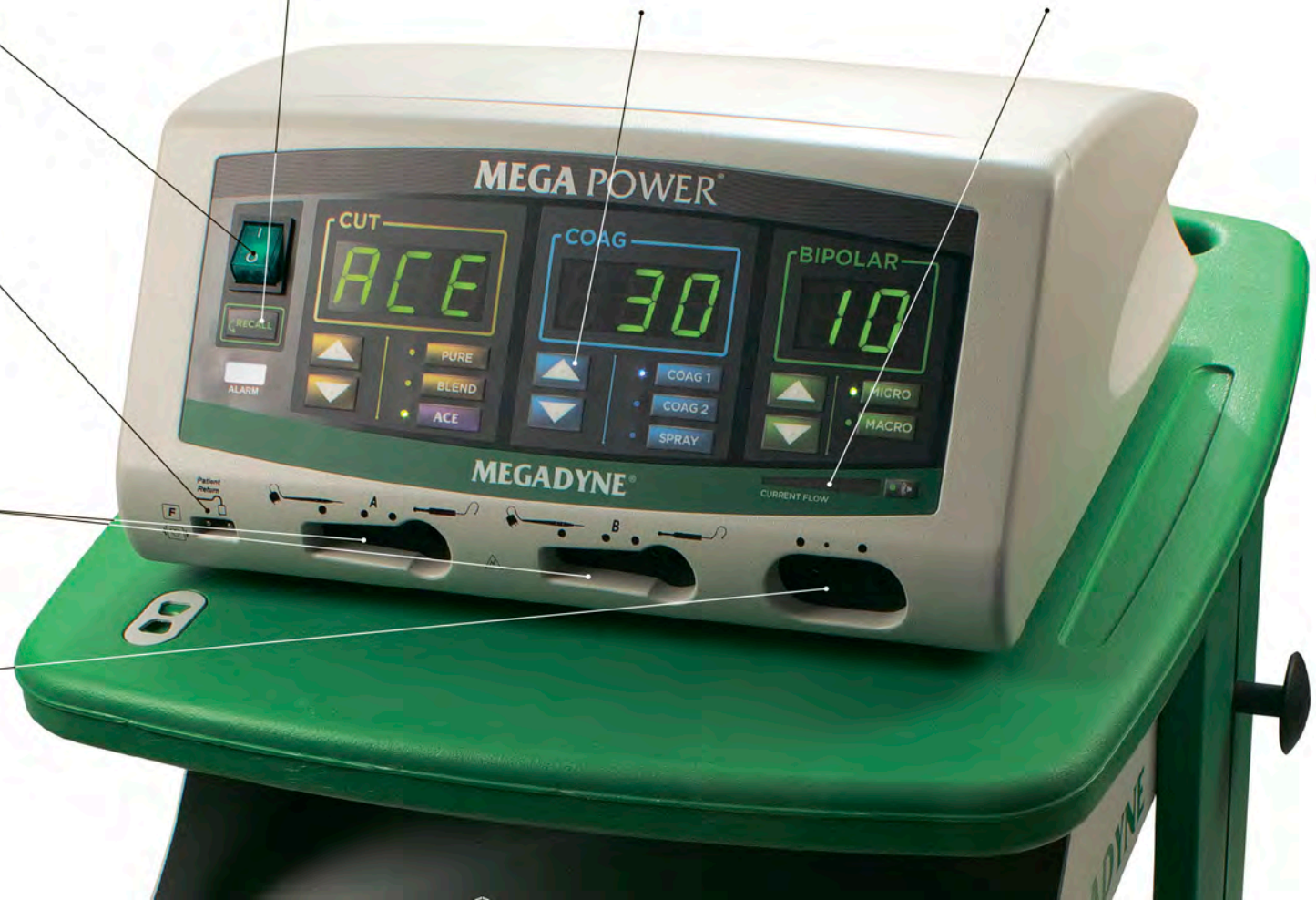
Power Up / Down Buttons
Increases or decreases the power in a selected mode. The arrow up key increases power settings in 1 Watt increments up to 40 Watts, and in increments of 5 Watts thereafter. The arrow down key will decrease power accordingly.

Current Monitor
The built-in current monitor provides a visual indication of current flow. As tissue becomes desiccated and dries, current flow is diminished as illustrated by a reduction in light bars on the current monitor.

Patient Return Electrode Input
Install a patient return electrode according to electrode manufacturer's instructions for use.

Monopolar Receptacles
Monopolar accessories inserted into the monopolar hand switching receptacles may be activated by depressing either the "CUT" or "COAG keys on the pencil or foot switch.

Bipolar Receptacle
Highly efficient bipolar technology with built-in current monitor for precise tissue cutting and coagulation.



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Examples of Power Modes Include:

ACE (Advanced Cutting Effect)—Proprietary setting that provides "scalpel-like" cutting with minimal thermal necrosis. Ideal for skin incisions, cutting flaps, areolar tissue, plastic surgery (excludes highly resistive tissue, e.g. breast tissue), and cardiovascular procedures.

Pure Cut—Smooth, consistent cut ideal for most cutting applications. Excellent for difficult cases such as TURPs.

Blend Mode—A modified cut mode that allows for cutting through tissue with superior hemostasis.

COAG 1—The COAG 1 desiccation mode provides hemostasis to tissue that is in contact with the active electrode. COAG 1 is designed to allow the active electrode to efficiently move through tissue for coagulation with dissection during surgery.

COAG 2—The COAG 2 mode delivers a more gradual onset of energy and may be preferred by surgeons desiring a more mild delivery of coagulation with desiccation.

Spray Coagulation—Wide pattern fulguration with maximum arcing and shallow thermal penetration.

Note: Spray COAG should be used only in open procedures. Spray coagulation is designed for coagulation of large areas and tissue bleeding.

Bipolar—The Mega Power offers two bipolar modes.

Micro Bipolar: The Mega Power automatically defaults to the Micro Bipolar setting. Micro Bipolar is utilized for the majority of all bipolar cases and delivers a precise and controlled bipolar effect.

Macro Bipolar: Bipolar cases requiring a more rapid onset of power and higher voltage power output (such as tubal ligations) often require a Macro Bipolar power curve. To access the Macro Bipolar setting, simply press the Macro Bipolar button on the front panel.

Cleaning the Mega Power

Disconnect the power cord from the wall outlet prior to cleaning the generator. Use a mild detergent, or disinfectant to clean the generator. Abrasive cleaners will scratch the displays. Do not allow fluids to drain inside the generator.

Error Codes

To clear an error, turn the Mega Power generator off, then on, to restart the generator and clear the error.

If the error does not clear, please make reference of the error code and all conditions of the system at the time the error occurred (mode, power setting, monopolar A or B channel) then contact your Biomedical Engineering Department or call Megadyne's Service Department at (801) 576-9669.

Typical Power Setting Guide for Electrosurgical Procedures

The settings shown are guidelines only, based on standard industry practice. Settings will vary according to surgeon's preferences. To increase power intensity, increase the power setting, to decrease the intensity of power, lower the power setting. If a proper setting is not known, set the generator at a low setting and increase power until the desired effect is obtained.

PROCEDURE	LOW SETTING RECOMMENDATION
GENERAL SURGERY	
Open Procedures	Pure Cut 25, Blend 30, Coag 30, Spray 50, ACE
Laparoscopic	Pure Cut 25, Blend 50, Coag 25, Bipolar 25
PLASTIC SURGERY	
Mastectomy	ACE, Coag 40, Spray 40
ORTHOPEDICS	
Total Hip/Knee	ACE, Coag 40, Blend 45
ENT	
T & A	ACE, Coag 20, Spray 25
GYN	
Tubal Ligations	Pure Cut 25, Blend 50, Coag 20, Bipolar 20
Ablations	Pure Cut 100, Blend 140, Coag 45
LEEP	ACE, Pure Cut 35, Blend 55, Coag 25
CARDIOTHORACIC	
Sternum	Coag 30
Saph vien	Coag 20
UROLOGY	
TUVP	Pure Cut 170, Coag 60, Spray 80
TURP	Pure Cut 150, Coag 60, Spray 80
TURB	Pure Cut 100, Blend 150, Coag 50
TURBT (use of Bugbee)	Coag 35

*Note power required to produce a desired effect depends on a variety of factors including, but not limited to; type of tissue, size of electrode and technique.

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