



**CHRISTIE®**

A Division of MarathonNorco Aerospace, Inc.

**CASP® / 2500**

## The Industry's Best Battery Servicing Instrument



### Features and Benefits

- Four automatic battery servicing functions
- User-friendly interface
- Status of each channel continuously displayed
- Clearly labeled front panel function keys
- Help function with information and print keys to provide extensive information via printer
- Epson LX-300 printer included at no charge
- Battery voltage, slope and current accurately plotted on easy-to-read graphs
- Operator Manual with clear and complete instructions
- Easy hook-up and operation via PC

### The ProEase CASP / 2500

CASP/2500 provides automatic battery servicing functions for reconditioning NiCd batteries and charging and analyzing all rechargeable batteries. The CASP/2500 provides the same functionality and trusted performance as the CASP/2000, but with a new design and user friendly interface that make it exceptionally easy to use.

### Automatic Operation

CASP/2500 features four automatic operating modes, which require little user intervention. Once a battery is connected, nothing more needs to be done—the battery is automatically processed, and final results are displayed. To provide maximum clarity, all battery problems are described in simple English instead of code. CASP/2500 automatic capabilities make it easy to get accurate results every time.

### Professional Capabilities

While CASP/2500 recognizes most common makes and types of batteries, it can be programmed to accept any battery, even newly developed batteries. Processing functions include automatic deep discharge if standard cycling does not bring a battery to minimum amp hours, and conditional battery processing for alternate processing based on measured capacity, capacity improvement, temperature and impedance. And with 350 watts per channel, CASP/2500 is till the most powerful charger/analyzer on the market today.

### User-Friendly Interface

CASP/2500 offers clearly labeled front panel function keys for easy reference and operation, and a continuous scrolling display showing the status of each channel. A help function key, equipped with a print function, provides quick tips for easy user reference, while the user's manual provides clear direction with step-by-step instructions and a complete index. The CASP/2500 is self-explanatory and user-friendly, making it one of the industry's easiest-to-use battery servicing instruments.

### ReFLEX® Charging

The CASP/2500 model offers Christie's unique ReFLEX® charging method where sharp, negative-current discharge pulses are alternated with positive-current charging pulses. This process prevents the formation of gasses across the plate surface of NiCd batteries and restores the crystalline structure of the cadmium anodes. Charging efficiency is thereby greatly improved and the battery actually undergoes electrochemical restoration.

**PROEASE™**

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## Automatic Operating Modes

CASP/2500's four automatic servicing functions provide full battery processing without supervision. Once a function key is pressed, CASP will automatically begin processing a battery as soon as it is connected. Any combination of the four AUTO modes can be engaged across CASP's six channels.

### Auto Process

Checks the discharge capacity of battery, then recharges it. Auto Process is also used for set-up, and is the most used function key.

### Auto Recondition

Reconditions the batteries by using a series of slow charge, discharge, and regular charge tasks, as well as deep discharge when needed. This function is used when a battery's capacity is low or fails.

## Auto Charge

Recharges the battery without checking capacity. Provides the quickest means of charging a battery.

### Auto Life Cycle

Determines battery life by repeatedly charging and discharging the battery until the capacity is below the minimum amp hour value programmed in the battery parameter table. This function also optimizes charge method, time and amperage.

### Proven, Progressive Technology

CASP/2500 maintains the reliable functionality of the CASP line, but with new advanced features that provide accurate battery servicing results with maximum ease of use.

## Accessories and Options

### Included:

- Epson Printer Kit
- Six Standard Battery Interface Cables

### Optional Equipment:

- Discharge Booster CDC-65—Can be connected to an unused channel to speed the discharge phase of battery processing
- Transport Case—Hard shell, air and water-tight case with foam padding for CASP and accessories, Qualified to MIL-T-21200 and ATA-300 C

## CASP/2500 SPECIFICATIONS

### Electrical

#### Input

- Voltage: 90 to 135VAC or 180 to 265VAC, auto selected
- Frequency: 47 to 440Hz
- Current: 5 amps maximum

#### Output

- Charging Power: 350W
- Charging Voltage: 0-78VDC
- Charging Current: 0-10ADC
- Discharging Power: 65W
- Discharging Voltage: 0-78VDC
- Discharging Current: 0-14A

### Mechanical

- Size (WxDxH): 8.75"x14"x4"  
22.3cm x 35.6cm x 10.2cm
- Net Weight: 14 pounds (6.36kg)
- Color: Black
- Case Material: Aluminum
- Cooling: Convection—Allow 2" clearance on all sides and 4" on top

### Environmental

#### Non-Operating

- Altitude: 0 to 40,000 feet
- Temperature: -20°C to +60°C (-4°F to +140°F)
- Relative Humidity: 95% max, non-condensing
- Shock: 30g
- Vibration: 2g