



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Portable Strain Gage Welding and Soldering Unit

### FEATURES

- Separate visual and audible indicators monitor welder status. Weld energy is continuously adjustable from 3 to 50 joules, making the Model 700 an excellent choice for installing weldable strain gages and temperature sensors, as well as small thermocouples and light-gauge metal.
- Supplied with a lightweight soldering pencil. A front-panel control adjusts soldering tip temperature for a wide range of soldering applications in the field or in the laboratory.
- “Low-battery” light to warn the user when the internal, sealed lead-acid battery requires charging. A battery charger is included to provide for full battery charge with no danger of overcharging. Indicator lights monitor battery charge rate.
- Convenient storage space for cables, battery charger and instruction manual



### GENERAL SPECIFICATIONS

#### OVERALL SIZE

9 L x 9 W x 9-3/4 H in [230 x 230 x 250 mm]

#### WEIGHT

21 lb [9.5 kg]

#### POWER FOR RECHARGING

115 VAC or 230 VAC, 50-60 Hz. Uses external AC transformer (provided)

#### OPERATING AND STORAGE TEMPERATURE RANGE

0°F to +120°F [-20°C to +50°C]

### WELDING SPECIFICATIONS

#### WELD ENERGY RANGE

3 to 50 joules, continuously adjustable by front-panel control  
Maximum open-circuit voltage less than 25 VDC

#### MAXIMUM WELD REPETITION RATE

20 per minute at 30 joules, typical

#### NUMBER OF WELDS PER BATTERY CHARGE

Approximately 2000 at weld energy setting of 30 joules. This is equivalent to 40 Micro-Measurements weldable gage installations.

#### BATTERY CHARGE TIME: (FROM FULL DISCHARGE)

12 hours to 75% full charge; 18 hours to full charge

#### BATTERY

One sealed, rechargeable lead-acid (non-liquid) type, 12 volt, 5 ampere-hour

#### WELDING PROBE

Manually fired with trigger control and “steady-rest”

#### WELDING CABLES

Two 5 ft [1.5m], fully flexible

#### WELD ENERGY MONITOR

Calibrated front-panel control with READY and WAIT indicators; audible indication selectable

Portable Strain Gage Welding and Soldering Unit

**SOLDERING SPECIFICATIONS**

**TEMPERATURE CONTROL**

Continuously variable with bands indicating melting range of solders

**SOLDERING PENCIL**

1.1 oz [31 gm], rated at 25 watts, 12 volt operation. Tip temperature adjustable from +200°F to +900°F [+90°C to +480°C].

**SOLDERING DURATION**

4 hours using +361°F [+183°C] melting point solders (with initial full charge)

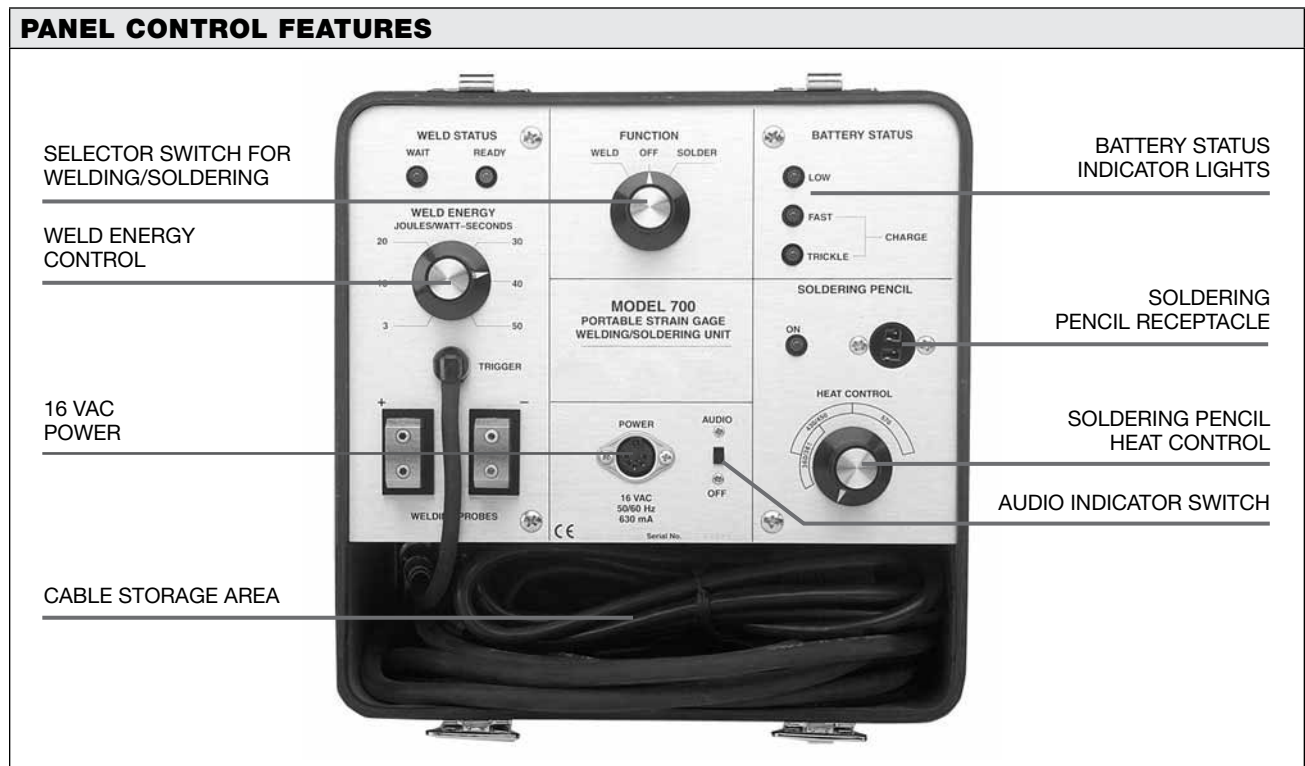
**ACCESSORY**

**Model 700-A103 Spot Welding Probe Set:**

Recommended for spot welding instrument leadwires to ZC Series high-temperature gage ribbons

All specifications are nominal or typical at +23°C unless noted.

**PANEL CONTROL FEATURES**



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