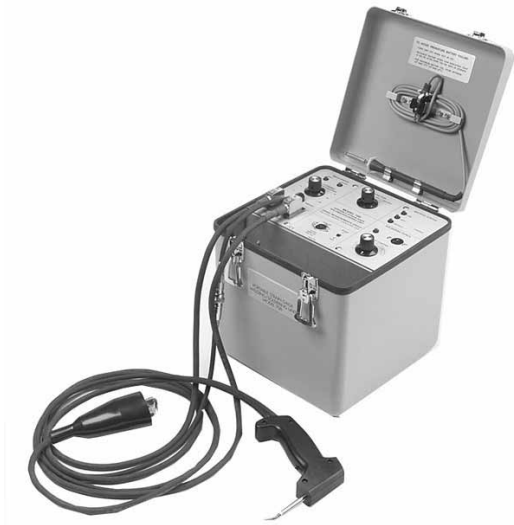
Portable Strain Gage Welding and Soldering Unit

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

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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

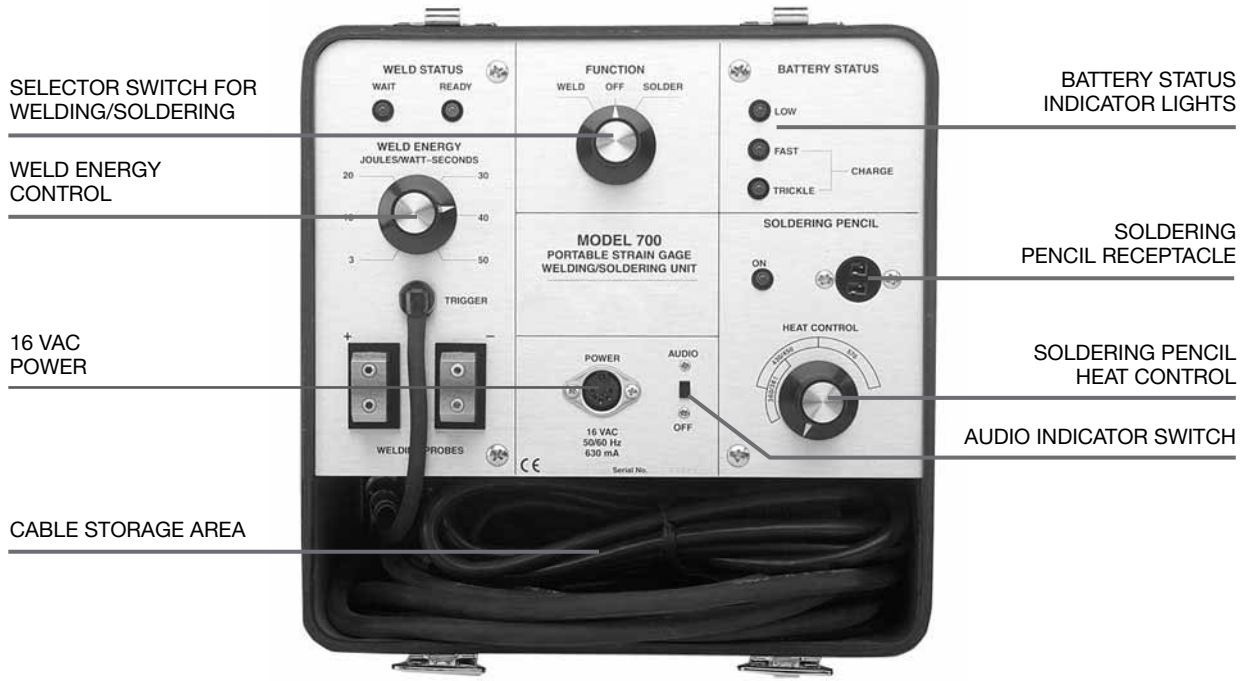
4 hours using +361°F [+183°C] melting point solders (with initial full charge)

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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