

# TECHNICAL SPECIFICATION

## Automatic Thermocouple Attachment Unit

Stock Reference: 41756 for 100V:125V unit, 41757 for 220V:240V unit

Stork Cooperheat's Automatic Thermocouple Attachment Unit (TAU) enables direct attachment of thermocouples to a work piece using the capacitive discharge method. This technique was pioneered by Stork Cooperheat and has since become a recognised global standard.

By reducing the risk of expensive rework, due to thermocouples breaking off during the heat treatment process, this innovation provides a high integrity welded connection which provides reliable and accurate temperature control and recording.

The Stork Cooperheat TAU has a unique automatic operation feature overcoming difficulties associated with manual attachment units which require both hands to operate. Stork Cooperheat's TAU requires only one hand to operate which is an important safety feature when working at elevated levels or inaccessible locations.

### Features:

- Three power output settings enable attachment of wire diameters 0.5, 1.0 and 2.0 mm : equivalent to 24, 18 and 12 awg
- Non-corrosive, stainless steel casing
- Battery or mains operated
- Capable of over 1000 discharges from a fully charged integral nickel cadmium battery
- Available for use with 230V or 110V battery recharging supplies
- Third party tested to ensure Electro-Magnetic Compatibility (EMC)

### Benefits:

- Single handed, one person operation in automatic mode
- Operator friendly
- Light weight and portable
- No welding skills required
- LEDs indicate unit charging and battery status
- Automatic switch off after 3 minutes to save battery power
- Three power settings can be selected
- Carrying shoulder strap fitted as standard
- Integral storage compartment



## Specifications

### Power Requirements

- Power Consumption: 5.0 VA
- Battery Voltage: 12 Volts
- Battery Capacity: 2.7 Ah
- Thermocouple Diameters: 0.5, 1 & 2mm selectable
- Discharge Voltages: 50/70/83V d.c nominal
- Battery Monitor: Monitoring LED and Automatic Full Discharge Protection
- Number of Discharges: Approximately 1000 on setting 2 at a rate of 200 discharges per day with fully charged battery
- Height: 210mm
- Width: 215mm
- Depth: 90mm
- Weight: 4.25kg

