

Automatic Thermocouple Attachment Unit

100-125Va.c. Stock Reference: 41756

220-240Va.c. Stock Reference: 41757

Reliable Safe and Cost Efficient

Eliminate expensive temperature control and recording errors as well as thermocouple failures!

Automatic Thermocouple Attachment Unit (TAU) helps eliminate the risk of expensive rework by enabling accurate temperature control and recording and reducing the risk of thermocouples breaking off during the heat treatment process.

The TAU can also be used to attach thermocouples for many other temperature monitoring applications that require reliable temperature measurement.

One hand is better than two!

It can be difficult to attach thermocouples with manual attachment units, which require both hands to operate. Automatic Thermocouple Attachment Units require only one hand to operate which can be an important safety feature when working at elevated levels or inaccessible locations



Automatic Thermocouple Attachment Unit

Direct attachment of thermocouples to the work-piece by the 'capacitive discharge method' has long been established as the preferred industry standard method of attaining accurate temperature measurement of the work piece being heat-treated or monitored.

Automatic Thermocouple Attachment Unit utilises this method to attach various gauges of thermocouple wire to the work piece.

By means of thermocouple contact sensory circuitry, Thermocouple Attachment Unit will automatically discharge through the wire a few seconds after the wire comes into contact with the work piece.

Versatility

- Three power output settings enable the unit to attach 12, 18 and 24 gauge (awg) thermocouple wire
- A stainless steel case allows the unit to be used in all environmental conditions including offshore
- Battery or mains operated
- Available for use with 230V or 110V battery recharging supplies

Ease of Operation and Maintenance Fitness for Purpose

- Can be operated by one person
- Single handed operation in automatic mode
- Simple to operate
- No welding skills required
- Light weight and portable
- Recharged simply by connecting to the appropriate a.c. supply
- Indicating lights show unit charge status and battery status
- Three power settings can be selected in both automatic and manual operating modes
- Automatic switch off after 3 minutes
- to save battery power
- Carrying shoulder strap fitted as standard
- Integral storage compartment for safe storage of pliers, magnet and recharging cable
- Constructed from high-grade stainless steel giving excellent protection against corrosion even in marine offshore applications
- Capable of 1000 discharges from a fully charged integral nickel cadmium battery
- Third party tested to ensure Electro-Magnetic Compatibility (EMC)

SPECIFICATION

Power Consumption	5.0 VA
Battery Voltage	12 Volts
Battery Capacity	2.7 Ah
Thermocouple Diameters	0.5, 1 & 2 mm selectable
Discharge Voltages	50 / 70 / 83 Vd.c. nominal
Discharge Energy	12.5 / 25 / 34.5 Joules 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	4.25 kg

