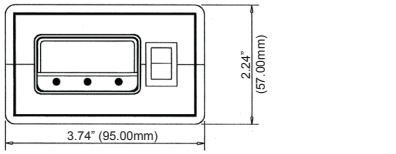
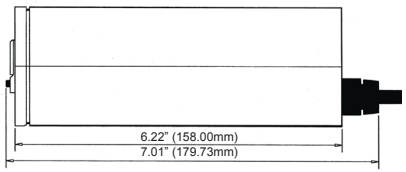
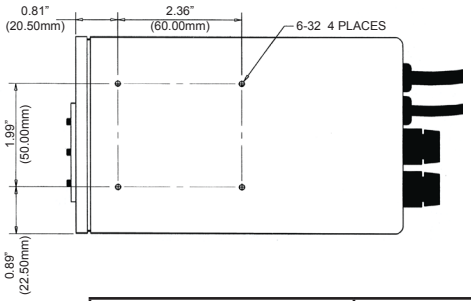
DIMENSIONS

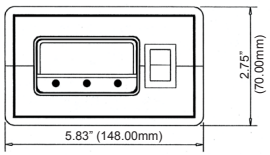
HC20

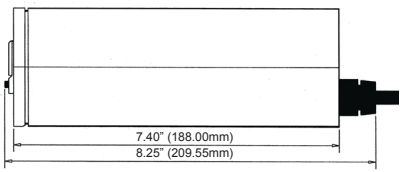


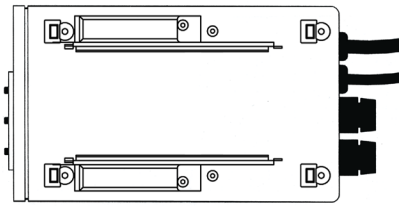




HC30







Model	HC20 Series	HC30 Series
Input Voltage	115V	115V
Max. Heat Temp.	350ºF ± 5ºF (176.7ºC ± -15ºC)	350ºF ± 5ºF (176.7ºC ± -15ºC)
Power Cord Length	5-1/2 ft.(1.68m)	5-1/2 ft. (1.68m)
Weight	1 lb. (0.45kg)	1.5 lbs. (0.68kg)

Abbeon Cal, Inc.
Industrial Plastic Working Equipment & Precision Instruments

Abbeon Cal, Inc.,
1363 Donlon Street Unit 1, Ventura, CA 93003-8387 - 800-922-0977
www.Abbeon.com - E-mail: abbeoncal@abbeon.com

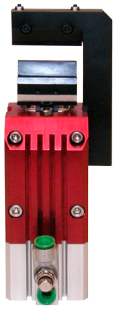
A-15956

HEAT CONTROLLER

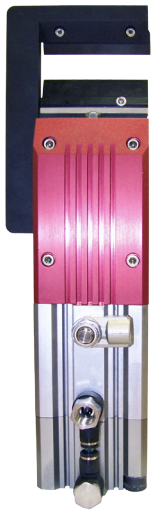
USER'S MANUAL

FOR USE WITH

TC-40 NIPPERS



TC-63 NIPPERS



NIPPER BLADES

USE & PRECAUTIONS

As with all heating devices, the HC20 and HC30 series Heat Controllers should be handled with extreme care and caution. This device should not be turned “ON” or even plugged into an electrical outlet while the heating elements are removed from the tool which they are intended to heat.

The HC20 and HC30 series Heat Controllers can only measure the temperature of (1) heating element (marked in red). The temperatures of the non-thermocoupled elements are assumed based on the temperature reading on the LED display, but should be checked regularly by an alternative device.

The HC20 and HC30 series Heat Controllers are factory set to 400°F (240°C). As a concern for safety, these units will not heat higher than 400°F (240°C). Tampering or altering the initial settings will void the warranty.

The temperature reading shown on the LED display is the core temperature of the heating element. As heat dissipates from the origin, the actual temperature of the cutting surface will likely be less (approx 350°F on a TC40 after adequate time). Temperatures may vary based on the type of tool being heated and ambient temperature and surrounding environmantal factors.

TC40 NIPPERS

PART #	# OF TC-40 NIPPERS HEATED		HEATING ELEMENTS INCLUDED
HC20		x1	(1) A-12853
HC202		x2	(1) A-12853 & (1) A-13026
HC303		x3	(1) A-12853 & (2) A-13026
HC304		x4	(1) A-12853 & (3) A-13026
HC305		x5	(1) A-12853 & (4) A-13026
HC306		x6	(1) A-12853 & (5) A-13026

REPLACEMENT HEAT ELEMENTS	
PART #	**DESCRIPTION**
A-12853	**w/ Thermocouple**
A-13026	**w/o Thermocouple**

TC-63 NIPPERS

PART #	# OF TC-63 NIPPERS HEATED		HEATING ELEMENTS INCLUDED
HC2063		x1	(1) A-13241 & (1) A-13242
HC20632		x2	(2) A-13241 & (1) A-13242
HC30633		x3	(3) A-13241 & (1) A-13242
HC30634		x4	(4) A-13241 & (1) A-13242
HC30635		x5	(5) A-13241 & (1) A-13242
HC30636		x6	(6) A-13241 & (1) A-13242

REPLACEMENT HEAT ELEMENTS	
PART #	**DESCRIPTION**
A-13242	**w/ Thermocouple**
A-13241	**w/o Thermocouple**

STANDARD NIPPERS

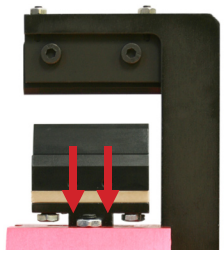
PART #	# OF STANDARD NIPPERS HEATED		HEATING ELEMENTS INCLUDED
HC201252		x1	(1) A-13199 & (1) A-13198
HC301254		x2	(1) A-13199 & (3) A-13198
HC301256		x3	(1) A-13199 & (5) A-13198

REPLACEMENT HEAT ELEMENTS	
PART #	**DESCRIPTION**
A-13199	**w/ Thermocouple**
A-13198	**w/o Thermocouple**

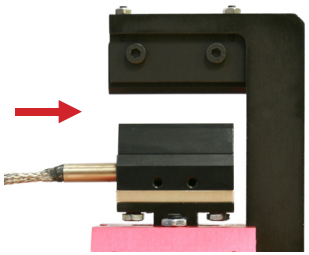
INSTALLING HEAT CARTRIDGES

TC-40 NIPPERS

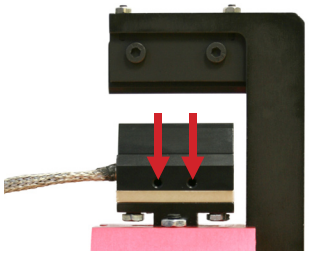
1.) Loosen set screws



2.) Insert heating element

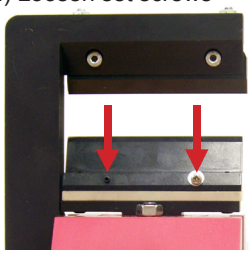


3.) Tighten set screws

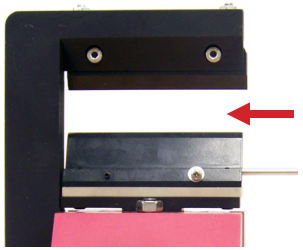


TC-63 NIPPERS

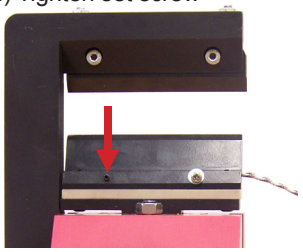
1.) Loosen set screws



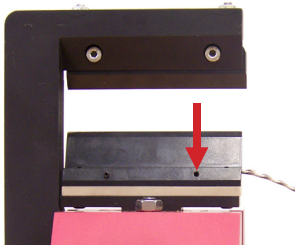
2.) Insert heating element



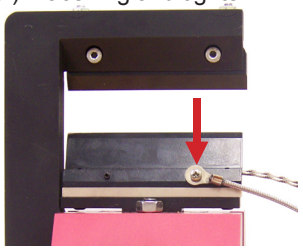
3.) Tighten set screw



4.) Remove set screw

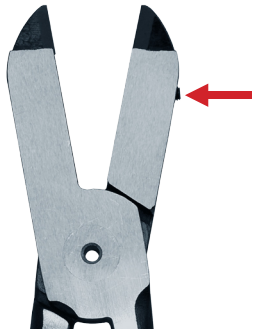


5.) Place ring and tighten

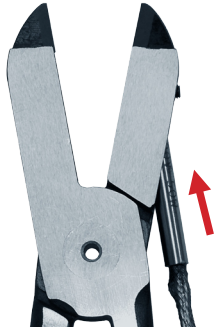
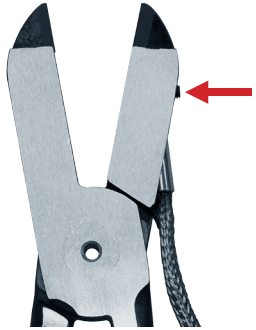


NIPPER BLADES

1.) Loosen set screw



2.) Insert heating element



3.) Tighten set screw