

# H HEATING TAPES

## Tapes, Controllers

### Power Wattage Control

For control of heating tapes, max. watt - 2000 watt. Power regulator: 0-100%

- Solid state electronics make this variac the perfect instrument for research & especially teaching labs.
- Safety features include sparkless solid state regulation of voltage output to oil baths, heat lamps, heating mantles, or virtually any heater.



MS-C



MS-C Back

### Precise Digital Temperature Controller For Control Of Heating Tapes, Heating Mantles, Hotplates, Ovens, Water Baths, Immersion Heaters, incubators etc.

- Wide range of temperature controls to match most heating applications: mantles, hotplates, heating tapes, small ovens & other resistive heating loads up to 3500 Watt.
- Quick connections for load and temperature sensor.
- Digital dual display for set point and process temp. indication.
- Automatic tuning feature ensures temperature accuracy with minimum overshoot.
- Easy to operate.
- In instances where the thermocouple cannot be placed precisely where temperature sensing is needed, a temp. offset can be introduced to make the control's temperature readout more meaningful.
- If the control loop is broken, Set-Temp Digital automatically shuts off heater power to reduce the likelihood of thermal runaway.
- Non-volatile memory retains temperature settings during power interruptions.
- Models are available for use with Type-K, or type-T
- Optional Stainless steel probe, thermocouple K.
- Optional RS-232 communication.
- Optional over temperature protection.
- Optional four files/16 steps program capability (2416P4)

#### Features:

- Digital set and read of actual temperature up to 450°C (option: up to 1200°C).
- PID microprocessor controller provides precise temperature regulation.
- Supplied with Thermocouple Probe, made of St. St., 25 cm long, 3mm dia. and 2 meter extension cable.
- 230 V, 50 Hz, 2000 Watt.

### Heating Tapes Width 1" up to 450°C

This unit can be round to pipe column, tube or curved material for insulation arming & heating. These element are knitted together then bridged material to form on insulated flat tape. Should be used with controller. Flexibility provides excellent heat transfer: can be tightly rapped on to your vessel. Withstand 450°C internal max. temp.



HT1-1 & HT1-2

Model	Width (" x Length(m)	Wattage
HT 1-1	1"x1m	200 W
HT 1-1.5	1"x1.5m	250 W
HT 1-2	1"x2m	300 W
HT 1-2.5	1"x2.5m	350 W
HT 1-3	1"x3m	400 W
HT 1-4	1"x4m	460 W



Box-3216



FRONT PANEL



BACK PANEL

Model	Function	Thermocouple	Temperature range	Power output
Box-3216	Control with ramp to set point & 100 hrs timer	K	-50~1200°C	3500 watt 230V/50Hz
		T	-20~400°C	
Box-2416P4	Programmer with 4 programs of 8 segment	K	-50~1200°C	3500 watt 230V/50Hz
		T	-20~400°C	

#### Options:

- Over temperature protection
- PC Control & data reading, RS-232/RS-485 communication