



HEAT BEAM[®] CONTROLLER

**DEDICATED CONTROLLER
FOR HEAT BEAM**



**Constant Voltage Feedback
Function**



Simple Input Operation



**Soft Start Function to Limit
Rush Current**



**Software for the Operation
(Japanese version only)**



**5 Programs maximum are configurable
(1 step = Heater Output + Irradiation Time)**

HYW-30CVR-P

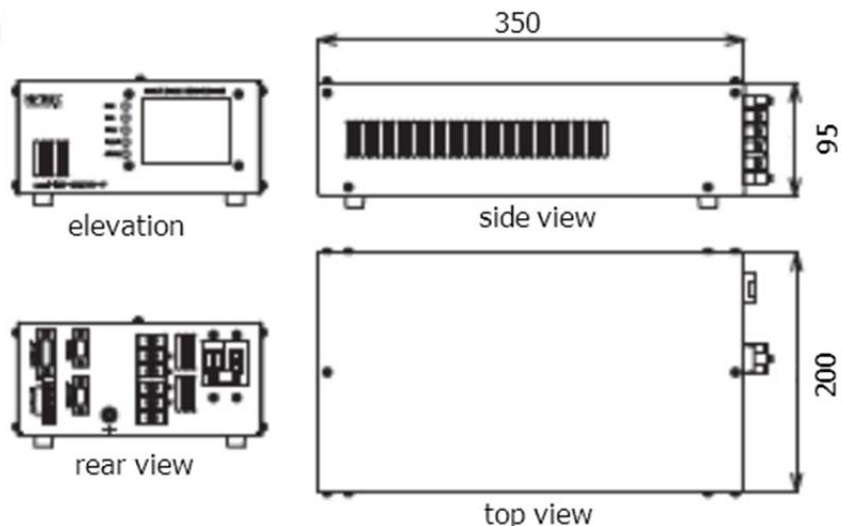
The device has been developed as the controller of HEAT BEAM (near-infrared ray heating unit). In order to accommodate every application by programming **maximum 32 steps**, making heater irradiation time and voltage value as one step. Optimum heating to conform to the condition can be realized. Moreover, precise temperature control can be done by combination of its exclusive temperature control unit.

When using a spot heater unit where the rated heater voltage is less than 24 volts, it is required to Connect with an exclusive transformer box.

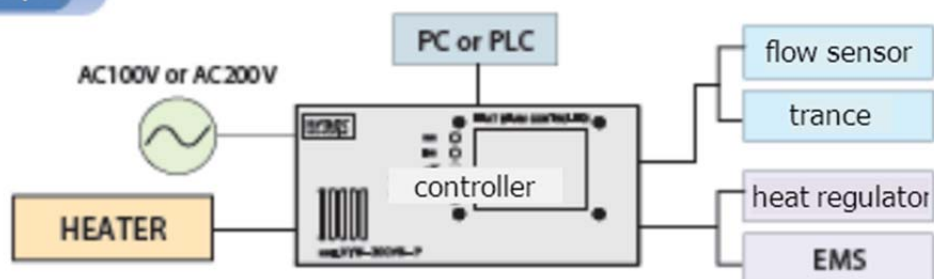
SPECIFICATION

Power Source	AC 100V 50/60Hz 110V/220V-specified products available AC 200V 50/50Hz by factory setting (before shipment)
Load Capacity	Current 30A Max.
Control Method	Thyristor phase control Constant voltage control
Operation Program	Numbers of registered program 5 1-32 steps each program
Control Input	DC 4-20mA (0-100% setup) Receiving resistance 75Ω
Alarm function	<ul style="list-style-type: none"> ● Internal thyristor abnormal ● SCR ON answer back ● System error ● Lamp heater open ● EMS input ● Abnormal input sensor (abnormal circulation of cooling water)
Display	Liquid crystal panel (touch panel)
External Communication	Serial communication I/F attached RS485

Form·Size



Connection sample





SOFTWARE FOR HEAT BEAM CONTROLLER

HEAT BEAM.PRO

JAPANESE VERSION ONLY

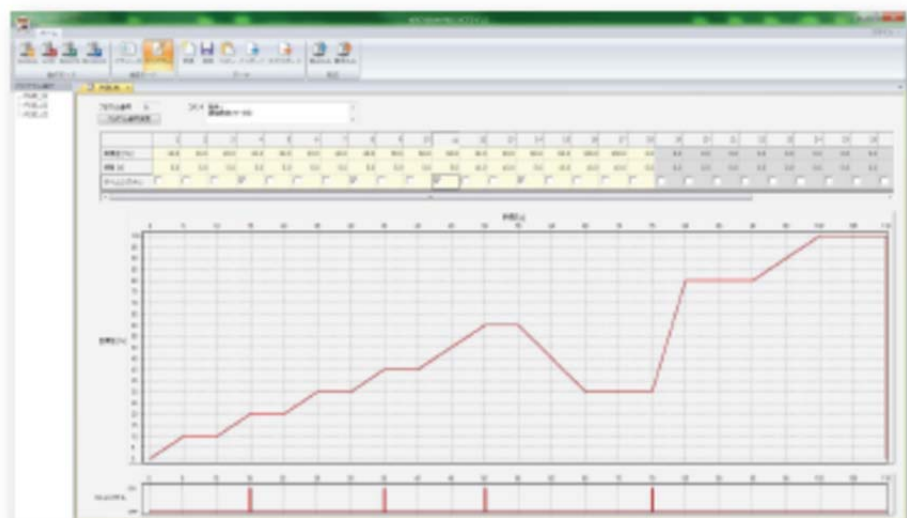


HEAT BEAM PRO is a software to which the operation programs and various parameter setups of exclusive controller for near infrared ray heater can be input.

- Can program heater output which constructs heating profile and operating program of irradiation time.
- Can make operation programs up to 99 categories.
- Can make up to 32 steps per one program.
- Can set up various parameters such as warning function of body of controller.
- Can spell out program and parameter in CSV form.
- Can monitor operation programs in execution.

Example of use

Drawing of step-setting which can make heating profile.





HEAT BEAM[®] CONTROLLER

**DEDICATED CONTROLLER
FOR HEAT BEAM**

HYW-30MR

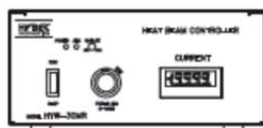
The controller can be set up current value of lamp heater, and can be control irradiance level by simple operation. It is most appropriate for trial test.

SPECIFICATION

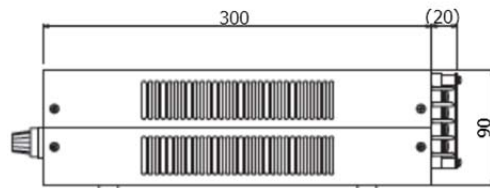
Power Source	AC 100V 50/60Hz	110V/220V-specified products available
	AC 200V 50/50Hz	by factory setting (before shipment)
Load Capacity	Current	30A Max.
Control Method	Thyristor phase control	
Entry for Control	Volume setup	
Display	Output current monitor	
Alarm function	● Internal thyristor abnormal	



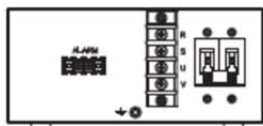
Form・Size



elevation



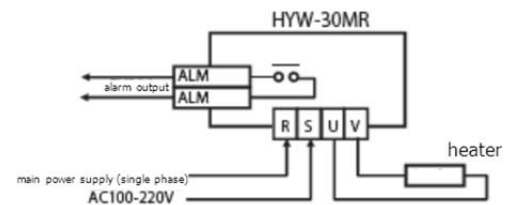
side view



rear view



top view



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