

General purpose pulse heat power supply

TCW-315 General purpose type

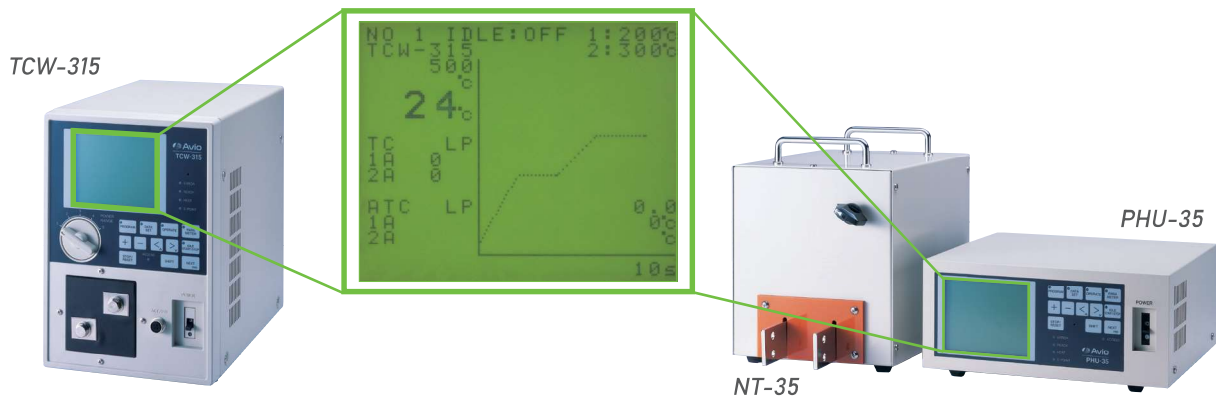
PHU-35 High power type

Best-selling models suitable for various joining such as soldering, thermos-compression bonding, and heat caulking

- **Highly reliable joining**
Since it heats and cools while being pressurized, it is possible to join with less misalignment of the workpiece.
- **Variety of temperature profiles**
Local and instantaneous heating suppresses heat effect on peripheral parts.
- **High reproducibility**
Digital PID control provides good temperature and time reproducibility, eliminating the need for operator skill.
- **Lead free compatible**
By setting high temperature and long-time heating, lead-free solder can be supported.
- **User interface**
As RS-232C & I/O are equipped as standard, it can be easily connect to external devices and can be installed in an automatic machine.
- **Various monitoring functions**
 - Temperature monitor (Average value, peak value)
 - Abnomaly detection (Excessive temperature rise, thermocouple disconnection)
- **Other functions**
 - Setting condition memory (15 conditions)
 - Electric valve control for heater tip, heater tool
 - Auxiliary thermocouple monitor

■ Large LCD equipped

Temperature profile at a glance



Item	TCW-315	PHU-35/NT-35
Heating temperature	Room temperature ~ 600°C 1°C step, E type/J type Room temperature ~ 900°C K type (Option)	Room temperature ~ 600°C 1°C step, E type/J type Room temperature ~ 900°C K type (Option)
Heating time	000-999 (×100ms, ×10ms)	000-999 (×100ms, ×10ms)
Rated capacity	750VA (50%)	3KVA (50%)
Heat control	2 steps	2 steps
Monitor function	Temperature	Temperature
Interface	RS-232C, I/O	RS-232C, I/O
Transformer	Built-in	NT-35
Transformer secondary voltage	0.88V, 1.24V, 1.75V, 2.47V, 3.5V	1.0V, 2.0V, 3.0V
Power source	Single phase AC200V ~ 230V±10% 15A (Option: AC100 - 115V)*	Single phase AC200V ~ 230V±10% 30A (Option: AC100 - 115V)*
Dimensions/weight	W200 × D320 × H283mm ≒19.5kg	PHU-35: W278 × D250 × H120mm ≒7.4kg NT-35: W200 × D270 × H220mm ≒25kg

* Power option is factory setting