

BU 2000

High Current Booster

The current output of T 2000 can be increased to up to 2000 A with a new type of optional booster controlled by the T 2000 control unit. The BU 2000 option is an innovative design concept that allows to avoid the power losses due to long cables connections. To achieve this, the BU 2000 transformer is placed very close to the device under test (CT primary side, Circuit Breaker main contacts), thus avoiding losses on the high current cables. The BU 2000 is then connected with a long (20 m) low current cable to T 2000 unit. The option can use one, two or four transformers, as a function of the maximum test current and/or the test duration (see table below).

In case of 2 to 4 BU 2000 units, an Interposing Module is necessary.

| Number of transformers | Weight Kg | Number of turns | Maximum current A | MAX ON s |
|------------------------|-----------|-----------------|-------------------|----------|
| 1 MAIN | 19.5 | 3 | 1000 | 100 |
| | | 3 | 2000 | 6 |
| 1 MAIN + | 29.5 | 2 | 1000 | 900 |
| 1 AUX + | | 2 | 2000 | 27 |
| Interposing | | 2 | 3000 | 6 |
| 1 MAIN + | 49.5 | 2 | 1000 | 900 |
| 3 AUX + | | 2 | 2000 | 27 |
| Interposing | | 2 | 3000 | 6 |
| | | 2 | 4000 | 2 |
| | | 1 | 1000 | INFINITE |
| | | 1 | 2000 | 900 |
| | | 1 | 3000 | 100 |

BU 2000 SPECIFICATION

BU 2000 Main Module

- Supply voltage: 230 V.
- Voltage output (one turn): 0,91 V.
- Steady power: 1000 VA.
- Weight: 11 kg.
- Dimensions: external diameter 190 mm; height 120 mm.
- Connection of the transformer: by a cable, 20 m long, terminated with connectors on both sides.
- Output current metering: by a current transformer with ratio 1000//1. Accuracy class: 0.5%.
- Connection of the CT: by a cable, 20 m long, that includes a shunt, rated 0.1 Ohm, 25 W, accuracy 0.1%. The cable is terminated with a connector for the connection to the 10 V input of T 2000.

BU 2000 Auxiliary Module

- Supply voltage: 230 V.
- Voltage output (one turn): 0,89 V.
- Steady power: 1000 VA.
- Weight: 10 kg.
- Dimensions: external diameter 190 mm; height 120 mm.

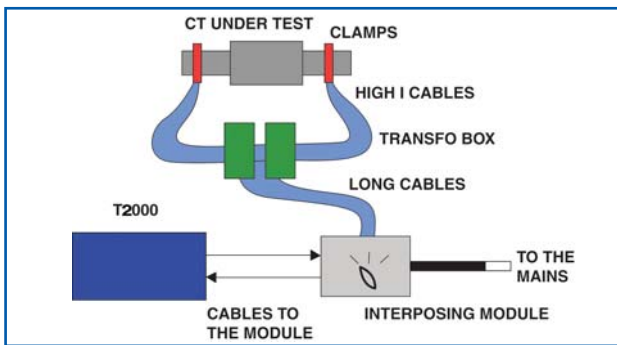
The option is also provided with two high current screw-driven clamps for the connection to high bars and with four high current clamps for the connection to bars located into narrow places.



BU 2000 Interposing Module

- Mains connection: by a 64 A rated connector, provided.
- Power-on: by means of a circuit breaker rated 63 A.
- Coarse current adjustment: by means of a four-position selector switch.
- Connections to T 2000: power supply cord; Variable voltage output; auxiliary contact, timer START input.
- Capable to drive up to four transformers.
- Weight: 5 kg.
- Dimensions: 33 x 30 x 20 cm (WHD).

NOTE: in case of one transformer, the BU 2000 INTERPOSING MODULE is not necessary.



Interposing Module



Auxiliary Module



High current cable



Connecting cable

ORDERING INFORMATION

| CODE | MODULE |
|-------|---|
| 50102 | BU 2000 - External Advanced Booster up to 2000 A : (1) Main Module with high current clamps and high current cables, connecting cables. |
| 51102 | BU 2000 - External Advanced Booster up to 3000 A : Main Module with high current clamps, high current cables, Auxiliary Module (1), Interposing Module, connecting cables. |
| 52102 | BU 2000 - External Advanced Booster up to 4000 A : Main Module with high current clamps, high current cables, Auxiliary Modules (3), Interposing Module, connecting cables. |
| 53102 | BU 2000 - Interposing Module |
| 54102 | BU 2000 - Auxiliary Module |
| 55102 | Heavy Duty plastic transport case for BU 2000 (50102) |
| 56102 | Heavy Duty plastic transport case for BU 2000 (51102; 52102) |