# ITC52300

**power cycling semiconductor life test system**

Integrated Technology Corporation

spec sheet

## utilities

| | | |
|---|---|---|
| AC Input Requirements: | Option 1. 208V 3 phase 5 wire, 208V Line to Line, 120V Line to Neutral (3 lines,neutral,gnd) | |
| | Option 2. 380V 3 phase 5 wire, 380V Line to Line, 220V Line to Neutral (3 lines,neutral,gnd) | |
| | Option 3. 240V single phase 4 wire, 240V Line to Line, 120V Line to Neutral (2 lines,neutral,gnd) | |
| | Option 4. 440V single phase 4 wire, 440V Line to Line, 220V Line to Neutral (2 lines,neutral,gnd) | |
| AC Breaker: | 120 A | |
| Service: | 50 A Each Line | |
| Maximum Current: | 220 VAC = 100A | |

## mechanical specifications

| | | |
|---|---|---|
| Physical Dimensions: | Height: | 75" (190.5 cm) |
| | Width: | 58" ( 147.3 cm) |
| | Depth: | 45" (114.3 cm) |
| | Weight: | 1500 lbs. (680.4 kg) |
| Military Specifications: | ITC52300 Testers Conform to MIL-STD-750, Method 1026.5, 1027.3, 1036.3, 1037.3 and 1042.4 | |

## electrical specifications

| | | |
|---|---|---|
| DUT Testing: | Device Boards: | 16 Maximum |
| | VDD Supplies: | 16 |
| | VDD Voltages: | 24/48 Vdc Switchable |
| | Max Current: | 10 A per board |
| | DUT Power: | 480 watts at 48 volts per board |

## DUT board types

| | Device Types | Devices per DUT Board |
|---|---|---|
| ITC5230C DIGEN Type | Axial Lead Diodes and surface mounted Bridge Rectifiers | 100 (25 per daughter board) |
| ITC5230C DDGEN Type | Dual diode, common anode, or common cathode with the common lead in the center | 16 (32 diodes total) |
| ITC5230B Generic Type | N-Channel MOSFETs, P-Channel MOSFETs, or IGBTs | 56 (4 per daughter board)<br>28 (2 per daughter board)<br>14 (1 per daughter board) |
| ITC52300 GENC | N-Channel MOSFETs, P-Channel MOSFETs, or IGBTs | 32 |
| ITC52300 BJTGEN | NPN AND PNP bipolar devices | 32 |
| ITC52300 GEN-VV | N-Channel MOSFETs, P-Channel MOSFETs, or IGBTs | 28 |
| ITC52300 GENBJT-VV | NPN AND PNP bipolar devices | 28 |
| ITC52300 GENSIC-VV | SiC MOSFETs, N-Channel and P-Channel | 28 |
| TC52300 GENJFET-VV | JFET devices,NPN and PNP | 28 |

## computer

| | | |
|---|---|---|
| Controllers: | ITC52300 User Interface | Windows Compatible Computer |

*Note: Specifications subject to change without notice.*


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