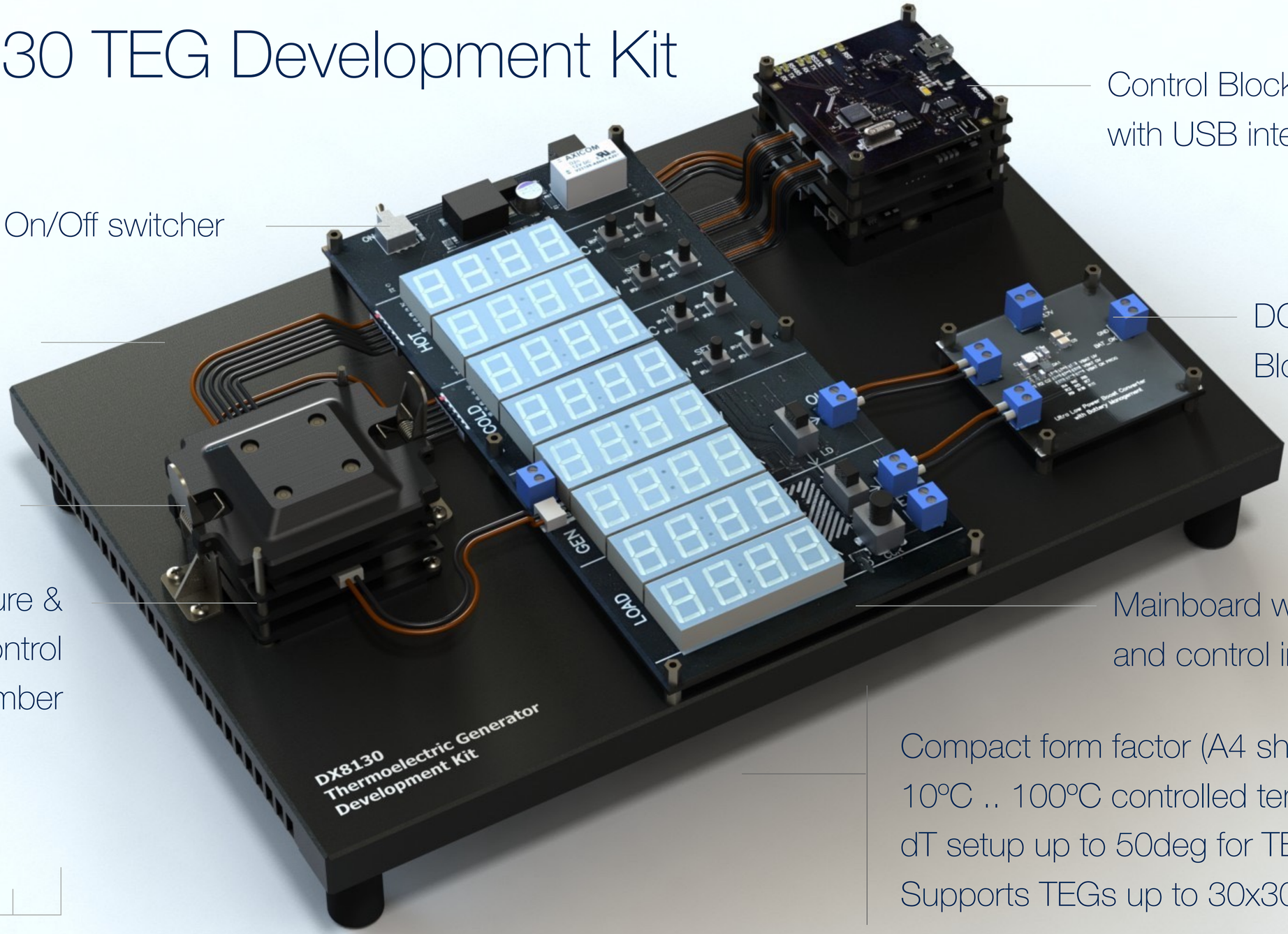
# DX8130 TEG Development Kit




Control Block
with USB interface

On/Off switcher

Base plate

DC/DC Converter
Block

Spring Clips

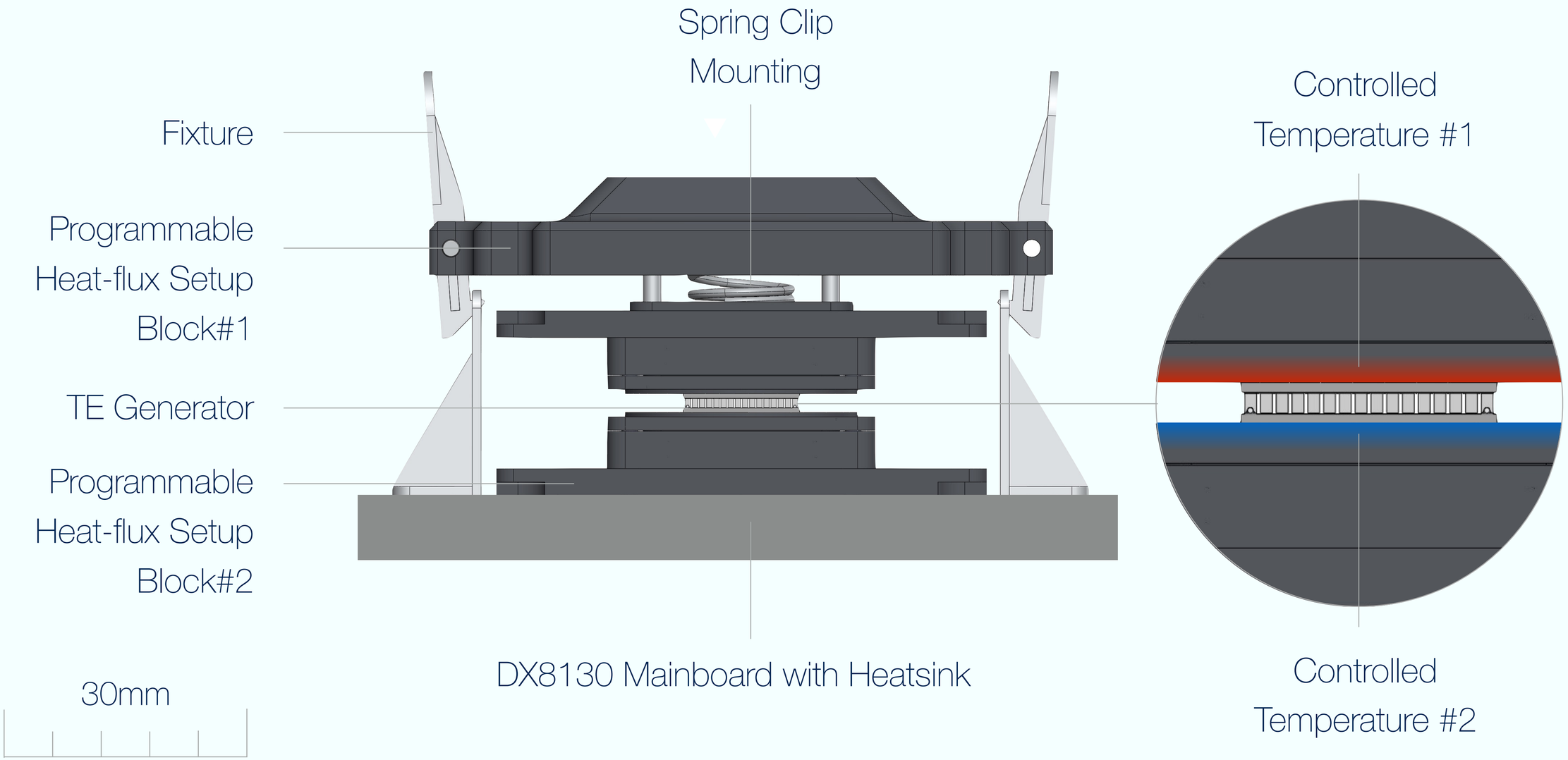
Temperature &
Heat Flux Control
Chamber

Mainboard with indicators
and control instruments

80mm

Compact form factor (A4 sheet format)
10ºC .. 100ºC controlled temperature
dT setup up to 50deg for TEG analysis
Supports TEGs up to 30x30mm$^2$ size

# DX8130 TEG Temperature Setup Block



# DX8130 TEG Development Kit Specifications

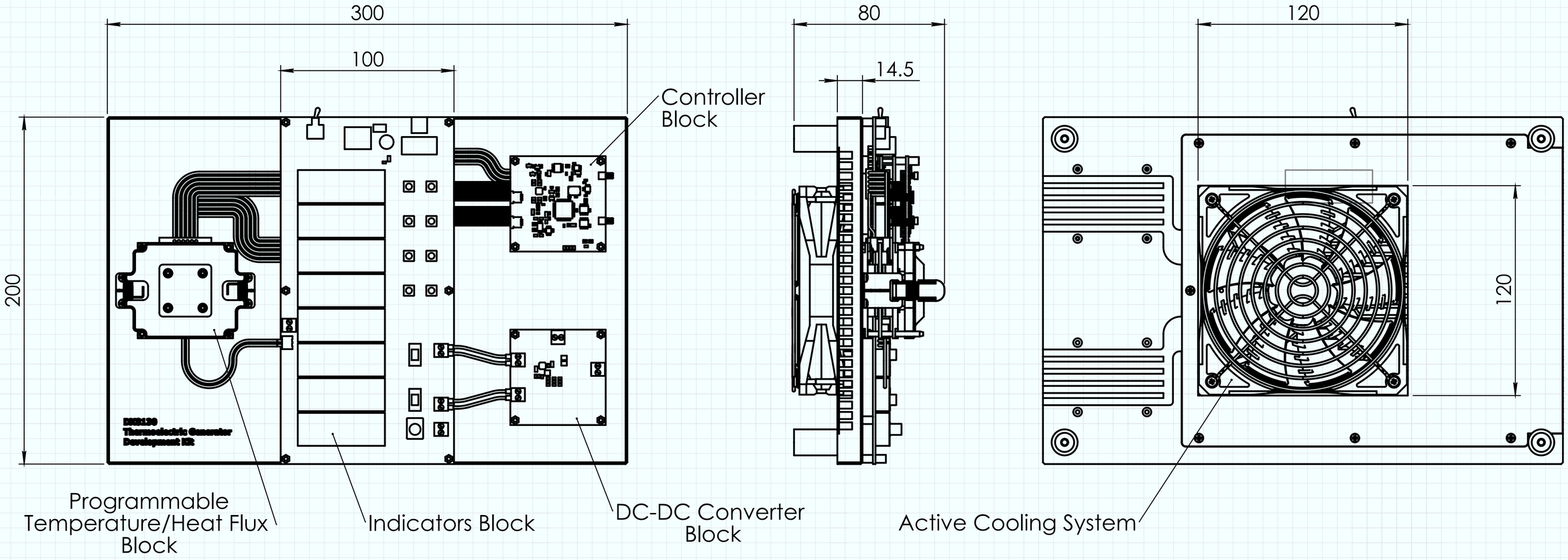
| DX8130 PARAMETERS | UNITS | VALUE |
|---|---|---|
| Temperature stabilizing range | °C | +10 … +100 |
| Max temperature difference to set | °C | 50 |
| Output voltage range of TEG | V | 0 … 9.999 |
| Electric current range of the TEG | A | 0 … 1.000 |
| Heat flux range | W | 0 … 9.999 |
| Output voltage of DC-DC converter | V | 0 … 9.999 |
| Load current | | |
| High current mode | A | 0 … 0.100 |
| Low current mode | mA | 0 … 5.0 |
| Computer interface | | USB |
| TEGS DIMENSIONS SUPPORTED | | |
| Length x Width (A x B) | mm | 2x2 … 30x30 |
| TEG Height (H) | mm | 0.5 … 5.0 |
| POWER SUPPLY | | |
| DX8130 Power Supply | V | 110 … 240 |
| Max power consumption | W | 60 |

| DIMENSIONS & WEIGHT | | |
|---|---|---|
| Overall dimensions of Kit AxBxH, max | mm | 200 x 300 x 80 |
| Weight | kg | 3.0 |
| Dimensions of main modules | | |
| - Mounting table | mm | 200 x 300 x 20 |
| - Electronic plate | mm | 100 x 200 x 25 |
| - Controller unit | mm | 55 x 55 x 35 |
| - Programmable heat flux unit | mm | 55 x 55 x 8 |
| - DC/DC converter unit | mm | 55 x 55 x 10 |

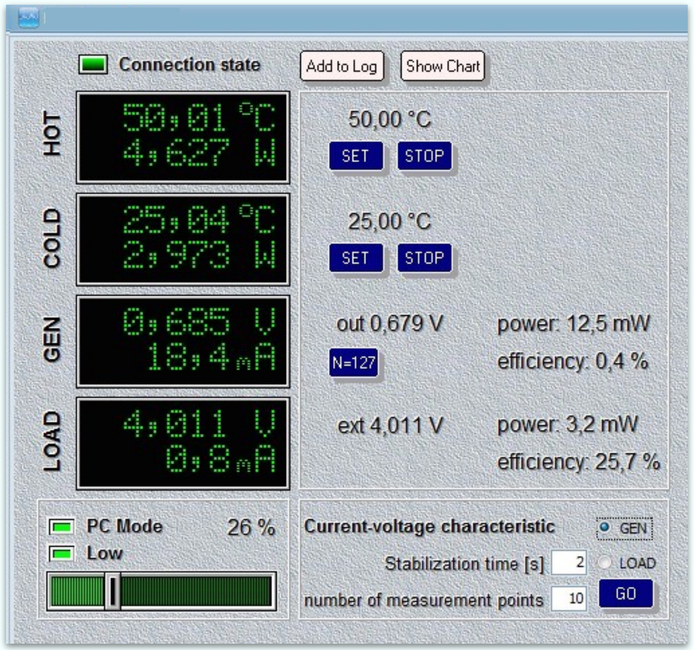
| DX8130 DELIVERY KIT | Q-TY |
|---|---|
| TE microgenerators samples | 5 |
| Standard mounting frame (for mounting of optional TE | 1 pc |
| Set of DC-DC converter boards with standard DC-DC circuits | |
| BQ25504RGT (Texas Instruments) | 1pcs |
| LTC3108EGN (Linear Technology) | 1pcs |
| Programmable precise heat flux unit | 2 pc |
| DX5100 Controller to manage heat flux | 1 set |
| Control electronic and indication board | 1 pc |
| Software TEGLab | 1 set |
| Power supply (AC 110-240V) | 1 pc |
| User Guide | 1 pc |

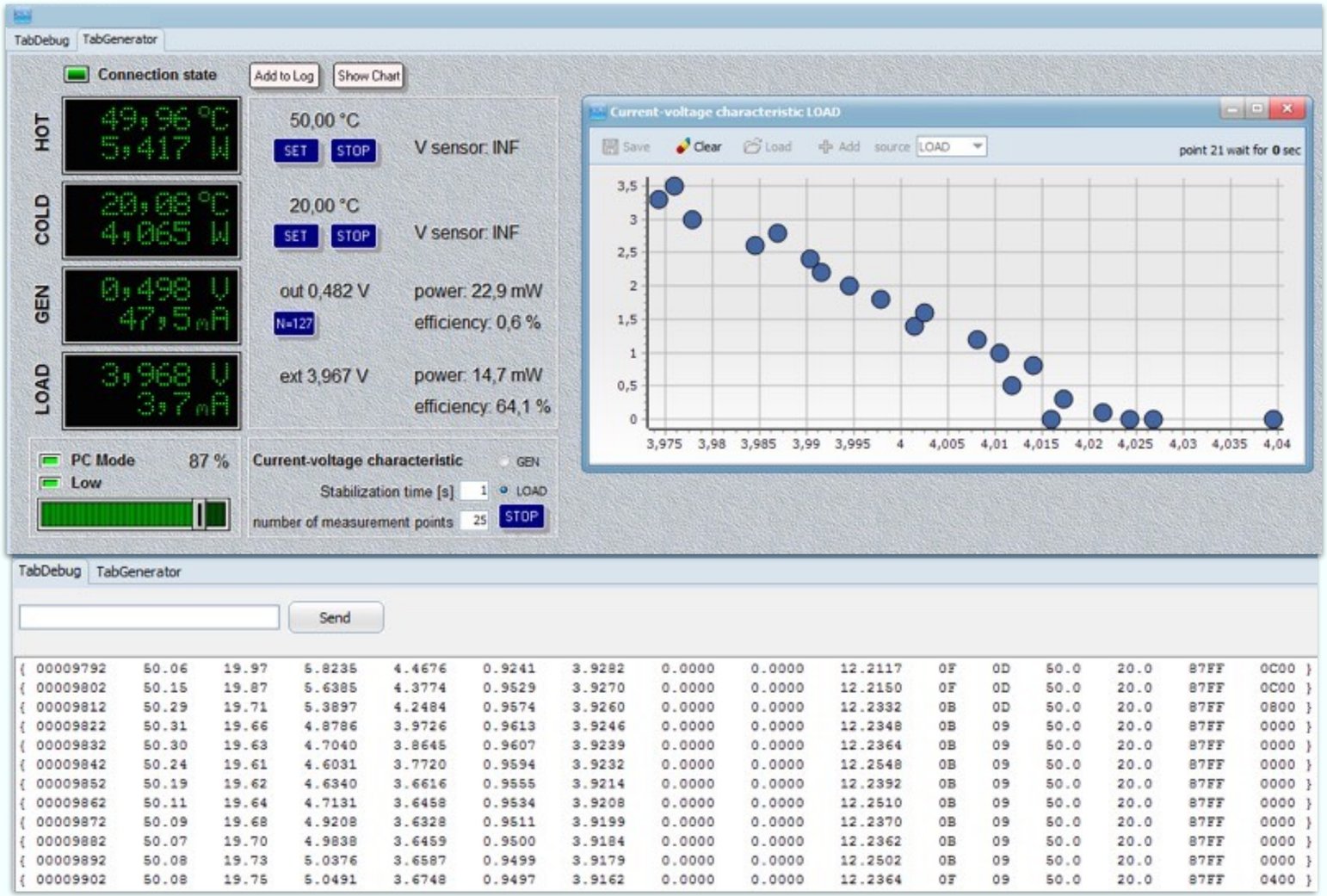
# DX8130 TEG Development Kit

# Dimensions (mm)



# DX8130 TEG Development Kit Software (Windows)




- TEG Operating conditions setup and monitoring
- TEG CVC (Current-Voltage) Charts analysis
- Complete telemetry output

# Copyright Protection Warning

## Legal Notice

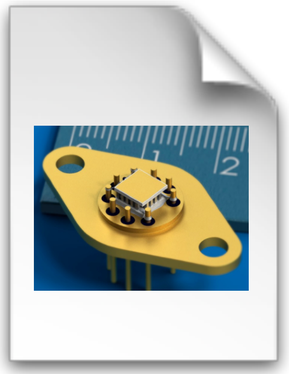
All logos, images, trademarks and product names (collectively Materials) are proprietary to TEC Microsystems GmbH and/or any of its affiliates, or subsidiaries, or other respective owners that have granted TEC Microsystems GmbH the permission and/or license to use such Materials. All images are provided by TEC Microsystems GmbH and are subjects of copyright protection.

TEC Microsystems GmbH does not grant a copyright license (express or implied) to the Recipient, except that Recipient may reproduce the logos, images and text materials in this press-release without any alteration for non-promotional or editorial purposes only with a written note about materials owner.

## Copyright Protection Warning

Graphic materials and text from this datasheet may not be used commercially without a prior response in writing on company letterhead and signed by TEC Microsystems GmbH authority. Thank you for respecting the intellectual property rights protected by the International Copyright laws.

Warning: All images in this datasheet contain TEC Microsystems GmbH hidden watermark for the immediate proof of their origin.



TEC Microsystems Image


Hidden Watermark