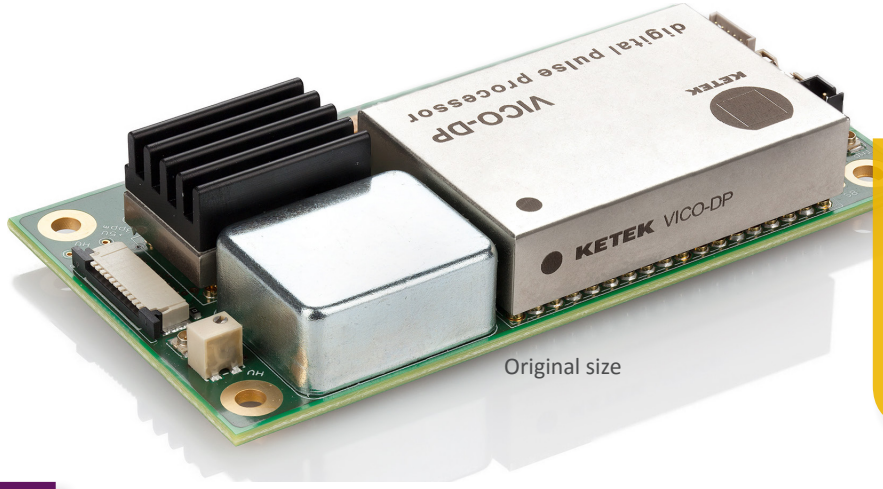


Original size

VICO-DV
OEM-Kit for VITUS SDDs

DV / AV
VICO

VICO DV / AV

OEM electronic systems for combination with VIAMP module

KETEK's highly integrated OEM system is designed for combination with the VIAMP module and comprises a high-performance digital pulse processor (applies for VICO-DV only), temperature controller, and high voltage supply for the SDD.

VICO-DV: Digital - with VICO-DP Digital Pulse Processor

VICO-AV: Analog - with a ramped reset-type preamplifier output

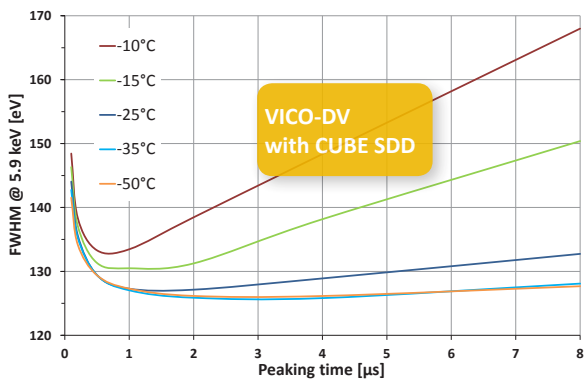
The small dimensions of the VICO-DV / AV guarantee flexible integration into your system. The device can be used with SDD sizes from 7 mm² (H7) to 50 mm² (H50) collimated area.

The VICO-AV is the analog variant without the VICO-DP.

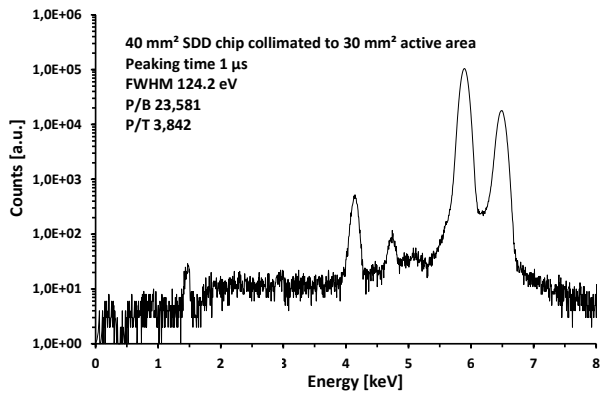
VICO-DV / AV key features:

- Small dimensions 95 x 50 x 19 mm³
- Temperature controller and HV supply for SDD
- Ramped reset type preamplifier output
- High-speed USB 2.0 and RS-232 interfaces (VICO-DV only)

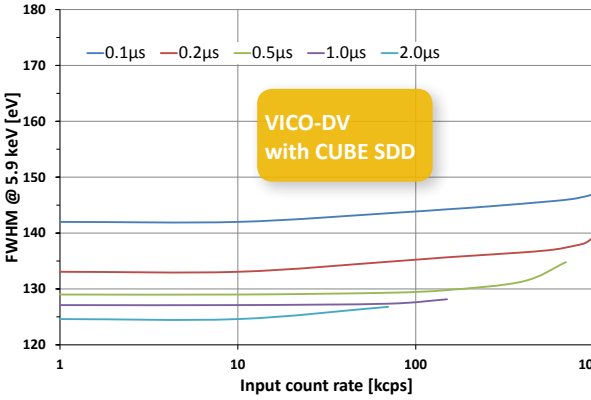
FWHM vs. Peaking Time at different chip temperatures



Typ. Fe-55 spectrum acquired with VICO-DV and VITUS SDD



FWHM vs. ICR at different Peaking Times



KETEK GmbH
Hofer Str. 3
81737 Munich, Germany
www.ketek.net
info@ketek.net
phone +49 89 673 467 70
fax +49 89 673 467 77

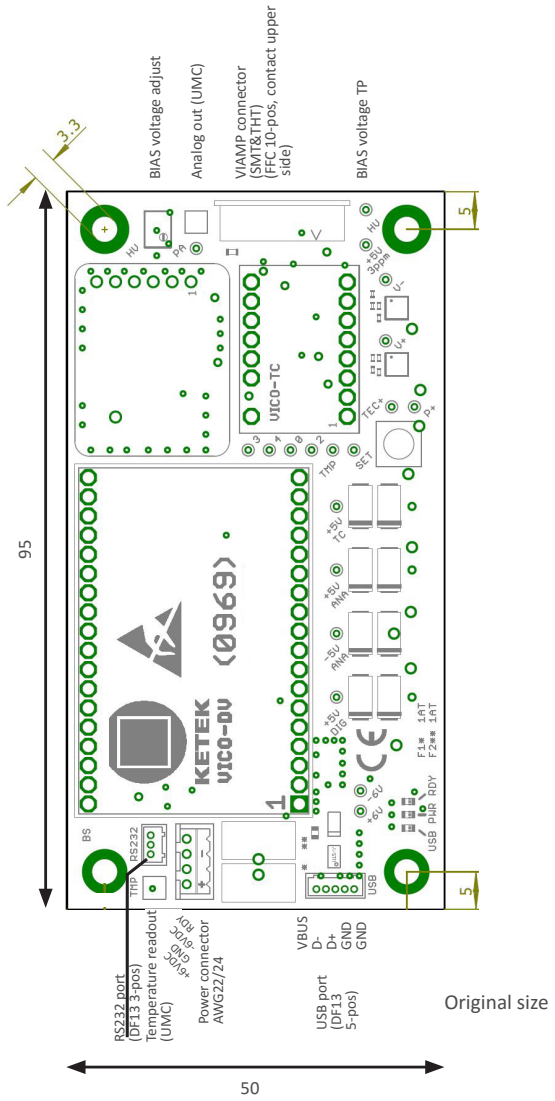
Rev. 2017-09

RoHS Compliant

EN 61326
EN 61000

ISO 9001:2015 Certified

VICO-DV pinout diagram

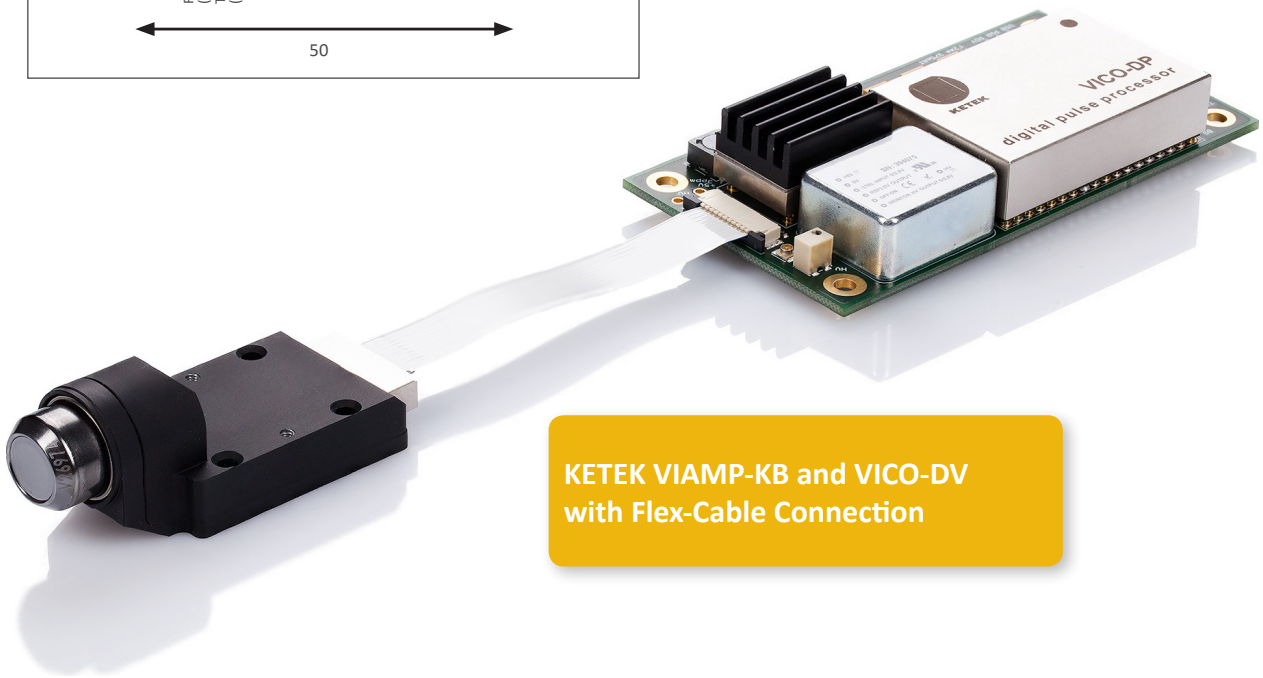


General parameters

PCB dimensions	95 x 50 x 19 mm³
DC input voltage	+/- 6 V (+/- 5%)
Max. DC input current: +6 V	990 mA
Max. DC input diss. loss: +6 V	3057 mW
Typ. DC input current: +6 V	380 mA
Typ. DC input diss. loss: +6 V	2780 mW
Max. DC input current: -6 V	65 mA
Max. DC input diss. loss: -6 V	45 mW
Typ. DC input current: -6 V	35 mA
Typ. DC input diss. loss: -6 V	35 mW
Ordering codes	**EVICO-DV** **EVICO-AV**

Required power supply unit stability

Line voltage regulation	+/-0.03%
Load voltage regulation	+/-0.03%
Voltage ripple	30 mV_{p-p}



KETEK VIAMP-KB and VICO-DV with Flex-Cable Connection

KETEK GmbH
Hofer Str. 3
81737 Munich, Germany
www.ketek.net
info@ketek.net
phone +49 89 673 467 70
fax +49 89 673 467 77