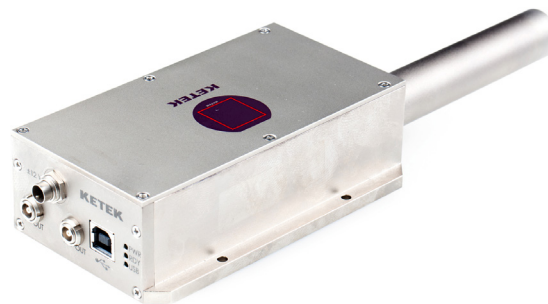
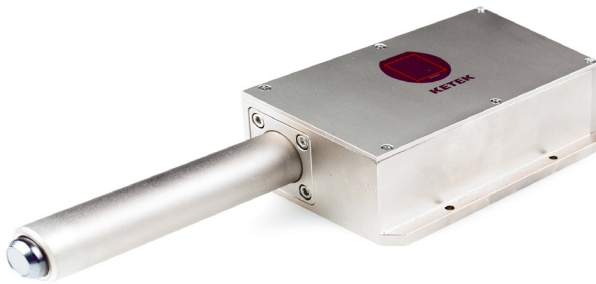


KETEK



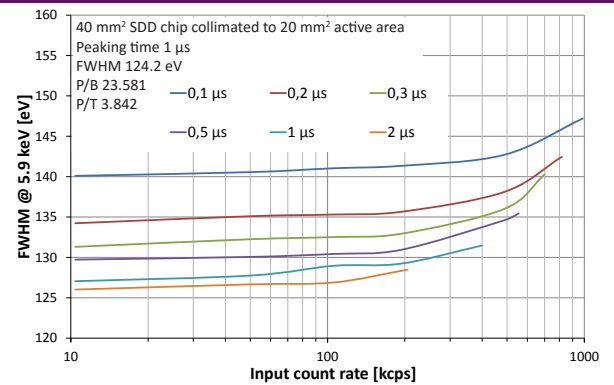
AXAS-A
analog

A
AXAS

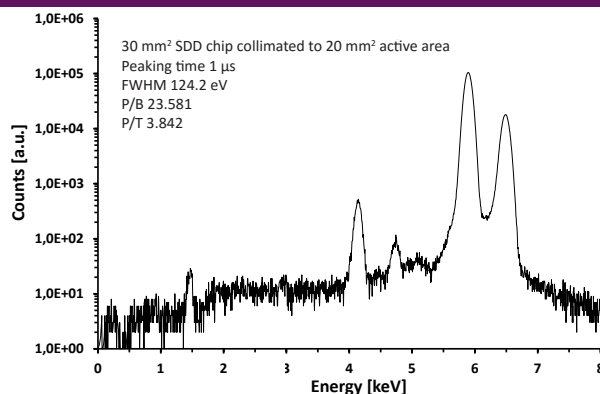
Analytical X-Ray Acquisition System - Analog

- Highly integrated design with all power options
- All VITUS SDD types (FET and CUBE) from 7 mm to 50 mm² available
- KETEK reset-type pre-amplifier
- Low-noise power supplies for SDD and TEC
- SDD operating temperature read-out
- Finger lengths from 50 to 200 mm
- Vacuum compatible

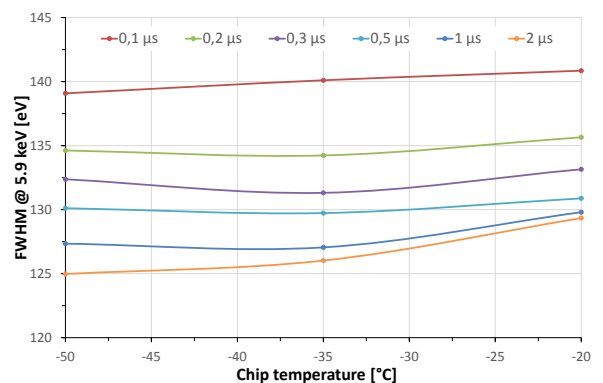
FWHM vs. ICR for AXAS-A with H2O-CUBE at -35 °C



Typical spectrum of H2O-CUBE in AXAS-A



FWHM vs. chip temperature for AXAS-A with H2O-CUBE



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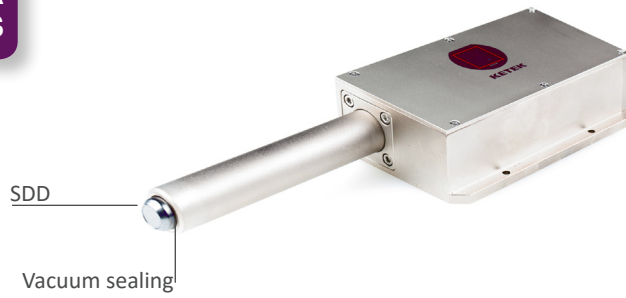
www.ketek.net
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phone +49 89 673 467 70
fax +49 89 673 467 77

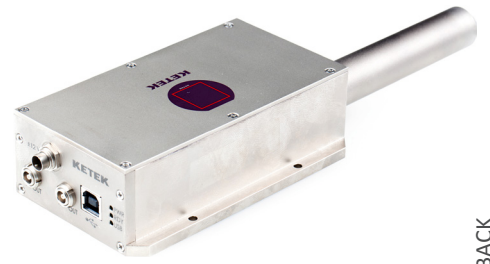
Rev. 2017-04



AXAS-A front and back view

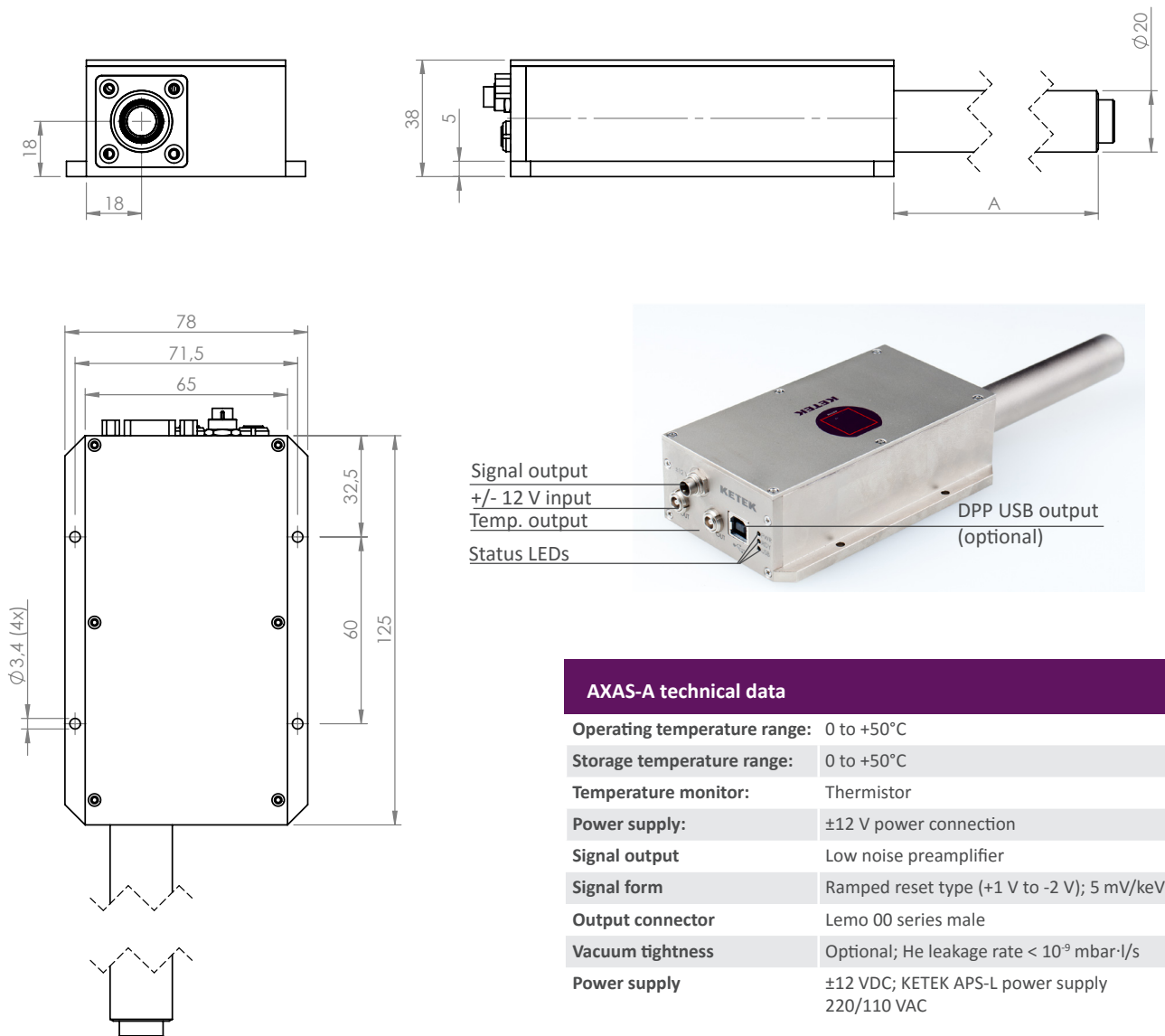


FRONT



BACK

AXAS-A housing geometry in mm [inch]



AXAS-A technical data

Operating temperature range:	0 to +50°C
Storage temperature range:	0 to +50°C
Temperature monitor:	Thermistor
Power supply:	±12 V power connection
Signal output	Low noise preamplifier
Signal form	Ramped reset type (+1 V to -2 V); 5 mV/keV
Output connector	Lemo 00 series male
Vacuum tightness	Optional; He leakage rate <math> < 10^{-9}</math> mbar-l/s
Power supply	±12 VDC; KETEK APS-L power supply 220/110 VAC

AXAS-A options

DPP with USB 2.0	Optional; MS-Windows acquisition software available
VITUS SDD	H7, H7LE, H18LE, H20, H30 and H50
Finger length [mm]	Std: 100, 50, 160 and 200 on request.