NEW

KETEK

3, 4, 5 OR 7 CHANNELS WITH H7 TO H50

COMMON INPUT FOR EXTERNAL RESET

FULLY VACUUM COMPATIBLE

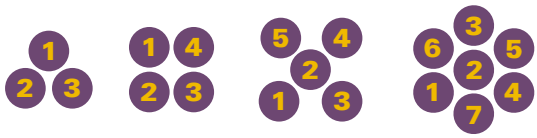
ANALOG AND DIGITAL SYSTEM AVAILABLE

FINGER LENGTHS 200 mm TO 600 mm

ARRAY 3.0

KETEK ARRAY 3.0 MULTI-CHANNEL SDD ARRAY

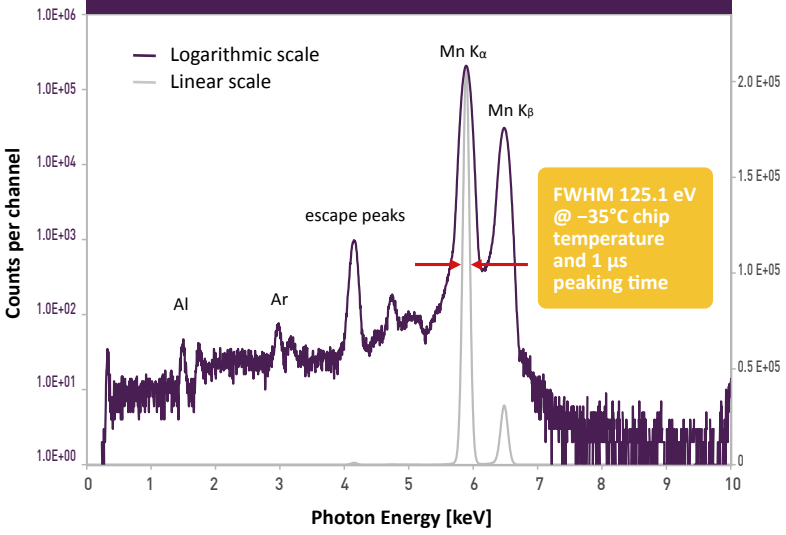
Complete XRF multi-channel system with 3 to 7 Silicon Drift Detector channels with integrated cooling and power supply unit. Each channel consists of a vacuum-tight SDD module, ultra-low noise preamplifier and a digital pulse processor board (analog version available).



- 3, 4, 5 or 7 channels configurable
- No additional chiller, vacuum pump nor ion getter pump necessary; system can be switched off without loss of vacuum
- Air cooled system, no heat pipe used; system can be mounted in any direction

- KETEK VITUS H7 to H50 SDD modules (vacuum encapsulated)
- Two different graphene window types available for high energies (CH) and low energies (CL)
- Up to 350 mm² active collimated area
- Guaranteed: FWHM < 133 eV @ 1 µs peaking time for Mn K_α-line
- Optimized for high input count rates up to 1 Mcps per channel and short peaking times down to 0.1 µs
- X-ray detection energy range from 0.1 keV to > 30 keV
- Standard finger lengths: 200, 300, 400, 500 or 600 mm (customized length available)
- Fully UH-Vacuum compatible, vacuum lange CF-63 (customized flange available)

Spectrum of an ARRAY 3.0 with VITUS SDD H50s showing an excellent performance in a multi-channel measurement. **No crosstalk between the channels is observed.**



ISO 9001
Certified
Quality Management System
www.tuvsud.com/ms-cert

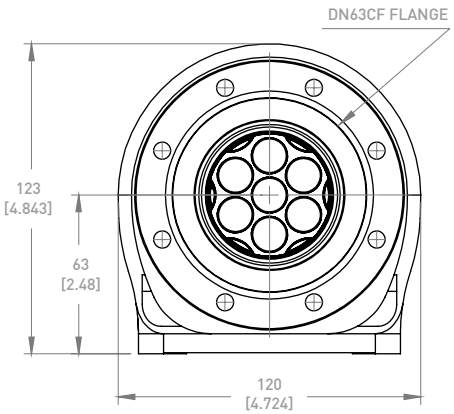
RoHS™ Compliant

CE
EN 55016
EN 61000

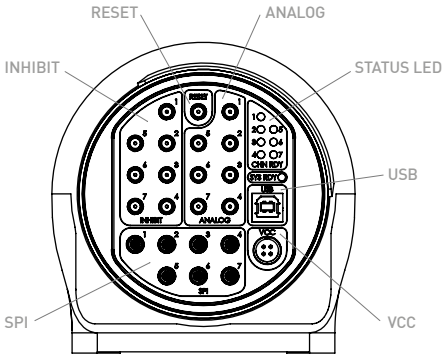
ARRAY 3.0

- Analog and digital version available
- Digital system with integrated USB-Hub (analog output always accessible)
- One common input for external RESET
- INHIBIT output for each channel available
- Status LED for each channel and for system status

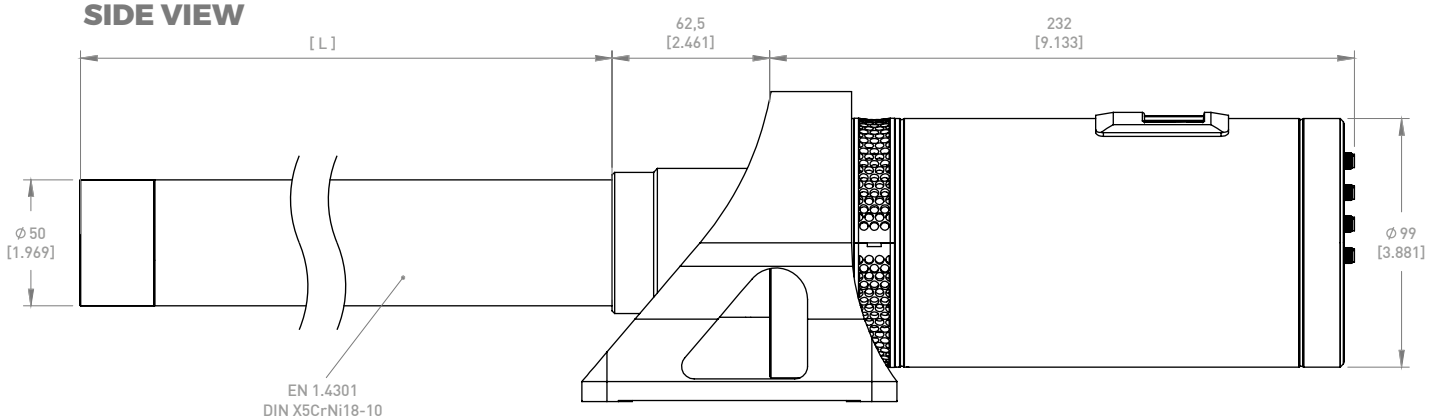
FRONT VIEW



REAR VIEW

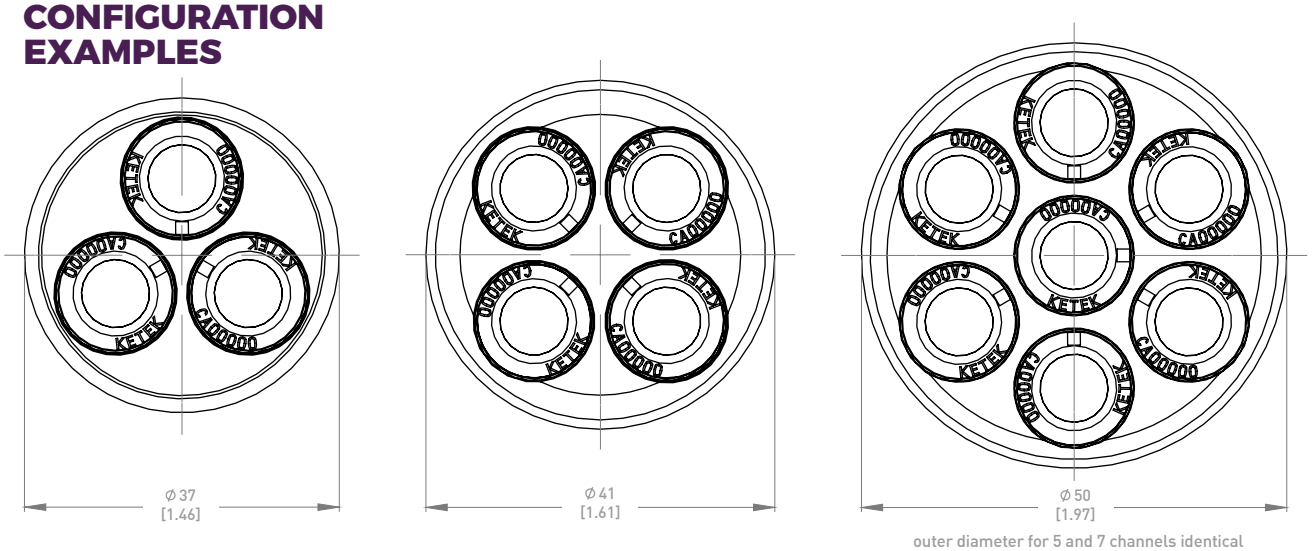


SIDE VIEW



[L] STANDARD LENGTHS 200 / 300 / 400 / 500 / 600 mm
CUSTOMIZED LENGTH ON REQUEST

SNOUT WITH DIFFERENT CONFIGURATION EXAMPLES



outer diameter for 5 and 7 channels identical

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