



FST

SENSORTECHNIK

# SmartKONT Contamination Monitor

## Application

- measuring device for the connection of Beta+Alpha resp. Alpha sensitive proportional detectors, for example HGZ/RGZ 200-T
- contamination monitor for release or contamination measurements with DIN ISO 11929 compliant decision supports



- optimized for mobile und stationary use in nuclear facilities, research institutes and radioactivity laboratories



Alpha+Beta	Einzel-Messung	Kont.-Messung	RI aus	5,0h
Erkennungsgrenze:	0,108	Zahlenwerte links		
Nachweisgrenze:	0,289	in Bq/cm2		
Unsich. Messwert:	0,100	Messwert		
ob. Vertrauensgr.:	1,138	<b>0,971</b>		
bester Schätzer:	0,971			

## Electronics

- rugged aluminium housing with 7" colour display (resolution 800x480 pixels) and touch functions
- SMC 2100 measuring technique proven in use with serial RS485 interface for PC connection
- switchable loudly pulse acoustic, headphone jack
- storage of measurement results on MicroSD card
- readout of measurement values via USB connection
- mains or battery pack operation, accumulator charging during mains operation
- energy management for battery pack monitoring
- external Start and Storage button, release via infrared or cable button





# SmartKONT Contamination Monitor

## Firmware and Software

- firmware in the SmartKONT
- detection of the results
- DIN ISO 11929 conform
- contamination or release measurements
- automatic determination of requested measuring time
- single measurement or rate meter
- Alpha+Beta and Alpha measurements
- displayed results cps or Bq/cm<sup>2</sup> selectable
- recurrent examination support
- storage of measuring values with comments
- device, measurement and calibration parameters free selectable
- Windows software AM-SMCA01

## Technical Data

- measuring device
 

dimensions WxHxD	21x18x7,5 cm
mass with battery pack	2,6 kg
- power supply
 

mains connection	85-265 VAC / 47-440 Hz
battery pack	3x R20 NiMH, approx. 35 Wh
operating time	approx. 14 hours in battery pack operation
- connections
 

Sub-D plug	RS485 interface to PC
USB mini	MicroSD card
appliance coupler	mains connection IEC/EN 60320-1
SHV plug	detector connection

