

# MicroCont II

## Handheld Contamination Monitor



The RADOS MicroCont II of the CheckPoint:Area™ family of contamination monitors is the specialist for alpha-beta contamination, that optionally can also be reconfigured to measure beta or gamma contamination.

External detectors can be connected by optional adapter plate. The large multifunctional display, which can be illuminated, is easy to use and to operate. The internal software supplies the user with 10 measurement pro-files and parameter modification via a normal office PC by using an internal or external IR-interface.

The memory keeps up to maximum of 500 measurement results which can be exported into MS-Excel.



### FEATURES

- alpha, beta or gamma measurement
- high sensitivity by large detection area
- large multifunctional display
- automatic background subtraction
- 10 profiles, where parameters can be modified via normal office PC
- memory for 500 measurement results

## TECHNICAL SPECIFICATIONS

The MicroCont II can be operated with large area gas flow proportional detectors, Beta-Plastic or with Gamma-Plastic scintillation detectors

RGZ large area gas flow proportional detectors (for alpha and beta measurement)

- detection area (177 cm<sup>2</sup>)
- integrated gas supply (75 cm<sup>3</sup>)
- simple gas flushing via push button, refill via single use cans with liquid propane-butane

RBP170 Beta-Plastic detector (for beta measurement)

- no gas supply necessary
- detection area (176 cm<sup>2</sup>)
- can be used at temperatures down to -10 °C

RPD Gamma-Plastic detector (for gamma measurement)

- no gas supply required
- detection area (176 cm<sup>2</sup>)
- can be used at temperatures down to -10 °C
- The compact MicroCont II housing, made from impact-resistant ABS, is splash-proof (IP 63) and can be decontaminated. It is colored yellow, ergonomically shaped, and features a handle with integrated on/off button as well as a membrane keyboard with large keys.
- The measurement results are indicated on the illuminated LCD in analogue format as bar chart and by acoustic single pulse indicator (switch able).
- The MicroCont II is powered by standard baby cells for a 200 hour operational period (battery check in LCD display). External power supply is available as option.
- The alarm set points can be freely preselected over the whole range. Acoustic alarms can be acknowledged. An optical alarm is displayed on the LCD by alarm segment.
- Activity can be determined accurately by long-term measurements:
  - in timer mode with a selectable measurement period of up to 600 s
  - in counter mode using pulse selection, automatic termination of measurement

RADOS MicroCont II is a result of product development over many generations of RADOS and Herfurth handheld contamination monitors.

The MicroCont II monitor of the CheckPoint:Area™ family has been used to measure contamination in applications as diverse as

- nuclear medical applications
- nuclear research and power applications
- homeland security, defence and emergency response applications
- industrial applications such as the oil exploration industry

