

NuWIMP 60-100

AUTOMATED WIPE
TEST COUNTER



Releasing tools and equipment from controlled areas requires many time consuming measurements, which can result in dozens or even hundreds of wipe tests to be analysed each day. Thanks to the automated NuWIMP 60-100 up to 100 samples can be analysed with no user interaction. The sample holders are automatically positioned under the detector by the NuWIMP 60 - 100, and following counting they are labelled by an LED showing whether they are above the user-defined threshold.

Benefits

- Up to 100 samples can be loaded and automatically measured
- LED indicates activity relative to user-defined threshold
- Possibility to add more samples while the system is running
- Simultaneous and selective α - and β - γ -measurement
- Configurable Settings: nuclide selection, wipe factor, measurement time, alarm thresholds, and more

Key Figures

Up to **100** sample holders

↳ Automated continuous measurement

DIN **ISO** 11929

↳ Integration optional

Product description

Our NuWIMP wipe-test counters allow simultaneous and selective α - and β -/ γ -radiation measurements of wipe-test probes or air sampler filters. A major advantage of our wipe-test counters is the innovative detector technology, which completely eliminates gas-filled detectors and the need for gas. Instead, we use thin-layer plastic-scintillation detectors with a ZnS-coating.

The NuWIMP 60-100 automatically places the bottom one of the 100 sample holders in front of the lead-shielded, thin-layer plastic-scintillation detector. The sample holders are sorted after counting according to their measurement against the user defined threshold, each labelled with an LED for quick identification.. It has been designed for smear papers and air sampler filters up to 60 mm \varnothing .

The easy-to-use NuWIMP 60-100 has integrated intuitive user guidance. It enables autonomous measurement of large numbers of samples without constant operator supervision.

Performance characteristics

- Thin-layer plastic-scintillation detector with ZnS-coating
- Photomultiplier integrated into the detector shielding
- Simultaneous and selective α - and β -/ γ -measurement
- Automatic background subtraction
- Customisable database with reference nuclides
- Sample holders can be changed and decontaminated easily
- Integrated calibration software based on DIN ISO 7503 with user guidance
- Threshold calculation according to DIN ISO 11929
- Nuclide related measurement results in Bq, Bq/cm², Bq/m³, Bq/l, Bq/kg or in cps
- Fully automated measurement, classification and labelling of up to 100 probes
- Easy access to the detector for service and maintenance work

Product Specifications

- Weight: ca. 110 kg
- Size: 1270 x 960 x 610 mm (HxWxD) 550 mm height without pillars
- Large-scale (15.6") colour touchdisplay
- Integrated industrial PC (PC-104-basis)
- Interfaces for data transmission and for external devices: 5x USB (1x frontside, 4x backside), 1x serial interface RS 232, LAN- and HDMI-connection
- Designed for smear test papers and air sampler filters with 60 mm \varnothing
- Configurable measurement settings (nuclide, smear factor, measurement time, thresholds, ...)
- Configurations and parameters password protected
- Sample holders are automatically sorted according to their contamination level and individually labeled by LEDs.
- 128 GB SSD Hard Drive



Pictures and details are not contractual. Actual product may differ due to ongoing optimizations.

**Subsequent addition
of a sample holder**