



AREA MONITOR ARM-X



MEASURING TOOLS FOR RADIATION

ARM-X

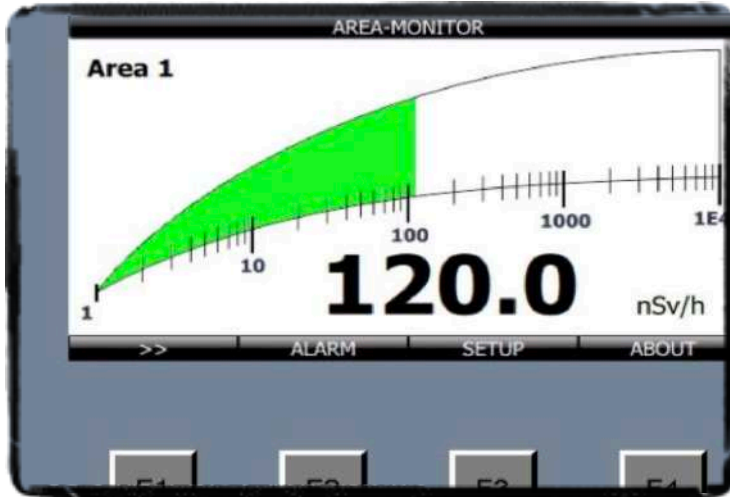
FLEXIBLE & POWERFUL AREA MONITORING SOLUTION

- ARM-X is an application-driven flexible Area Monitoring system for gamma and neutron measurements.
- A total of 6 communication ports can be shared between detectors, ethernet, USB and external devices.
- The distance between ARM-X and detector has maximum of 1.000 meters.
- There is a wide range of detectors available, measuring from background levels up to 100 Sv/ hour.
- An energy spectrum can be displayed as well, using a scintillator crystal with an internal multichannel analyser.
- Easy set-up through a touch-screen interface, that only takes a few minutes.
- Two alarm levels can be programmed.
- Annual calibration check, for which only the detector has to be returned to the factory.

FEATURES AND SPECS

- ✘ Maximum reliability through use of industrial standard components.
- ✘ Desktop and wall-mount configurations.
- ✘ Up to 6 measurement channels shared between detector and communication ports.
- ✘ Detectors can be connected through RS-485, maximum of 1000 meters. No power or adaptor required.
- ✘ Wide range of smart detectors with all parameters stored for easy replacement.
- ✘ Audible and visible alarms.
- ✘ Internal datastorage for 30GB of data.
- ✘ ARM-X data accessible through ethernet.
- ✘ User-friendly and easy to configure through touchscreen interface.
- ✘ 0/4- 20 mA output option.
- ✘ Automatic Powerfail recovery.

ARM-X



Clearly visible color display in logarithmic scale.



Free to choose communication ports. Ethernet & USB output for relays and detector ports.



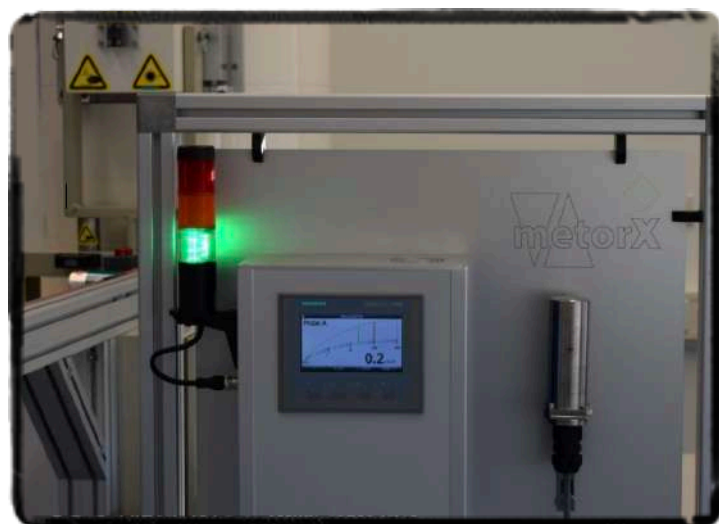
Display with color indication of radiation level.

The screenshot shows the 'SETUP (PROBES)' menu. It contains a table with the following data:

Probe	Enabled?	Name	Address	H-limit (μ Sv/h)	HH-limit (μ Sv/h)
1	<input type="checkbox"/>	Area 1	1	0.2	0.8
2	<input type="checkbox"/>	Area 2	2	0.2	0.8
3	<input type="checkbox"/>	Area 3	3	0.2	0.8
4	<input type="checkbox"/>	Area 4	4	0.2	0.8
5	<input type="checkbox"/>	Area 5	5	0.2	0.8
6	<input type="checkbox"/>	Area 6	6	0.2	0.8

The bottom of the screen has navigation buttons: 'HOME', 'GENERAL', 'DIAG/TEST', and 'F4'.

Easy set-up program with two alarm levels.



ORDERING INFORMATION

ARM-X	Area Monitor Basic Unit
ARM-GM-DET-10Sv	Gamma monitor, GM detector 0,05 μ Sv/h - 10 Sv/h energy range 0,05 - 3 MeV
ARM-GM-100Sv	Gamma monitor, GM detector 0,05 μ Sv/h - 100 Sv/h energy range 0,05 - 3 MeV
ARM-GMW-10SV	Gamma monitor, GM detector waterproof 0,05 μ Sv/h - 10 Sv/h energy range 0,05 - 3 MeV
ARM-GMW-100SV	Gamma monitor, GM detector waterproof 0,05 μ Sv/h - 100 Sv/h energy range 0,05 - 3 MeV
ARM-CSI	Gamma monitor CsI (TI) scintillator and GM detector energy spectrum
ARM-CSI9	Medium sensitive Gamma monitor 9 cm ³ CsI Scintillator 0.01 μ Sv/h to 1.0 Sv/h
ARM-CSI-23	High sensitive Gamma monitor 23 cm ³ CsI Scintillator 0.01 μ Sv/h to 1.0 Sv/h
ARM-Neutron	Neutron Monitor moderated Helium-3 counter 0 - 1,5. 10 ³ mSv/h
Alarm beacon	
Ethernet port	
Internal datalogger	
Signal out for external alarm, interlocking buzzer	

RELATED PRODUCTS AND SERVICES

The **ARCHIMEDES II 9102 WiFi** is designed to perform fast measurements of the gamma activity of bags, containing waste materials coming from the Nuclear Power Plants Decommissioning or from plants where high neutron flows were used. It is a mobile system, mounted on wheels, hence it's easy to handle and versatile in all the different types of applications and of locations where its deployment is requested.



The **BOX COUNTER system** is designed to perform a fast gamma radiation monitoring of laundry, waste bags, tools and other small objects. The system measures the radioactive contamination of the items placed inside the measuring chamber, and compares the result with the release limits.



The hand-foot-clothes monitor **VITRUVIUS 8220** is an instrument specifically designed for checking gamma contamination on the body of workers operating in areas where it is possible to come into contact with radioactive material. In particular, it performs the measurement of gamma contamination of hands, feet and clothes of the operator.



Measuring Tools for Radiation

MetorX B.V. is a specialised science and technology partner in the field of nuclear instrumentation. We are strongly committed to R&D and focused on innovating and simplifying Measuring Tools for Radiation. In close cooperation with our customers and partners, we create and deliver user-friendly, clever and dedicated tools.



MetorX facility in Goedereede

MetorX is based on the island of Goeree-Overflakkee in the southwest of The Netherlands. This historic town played an important role in medieval times. The name Goedereede literally translates as "safe harbour".



MetorX sponsors Kunstwereld

Kunstwereld is a unique project, in which a group of artists with a mental disability create lively and colourful pieces of art. MetorX is a proud sponsor of their activities. All of our corporate gifts are designed and created by Kunstwereld.



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