

Detector

- 2"x2" NaI(Tl) crystal or 3"x3" NaI(Tl) crystal optically coupled to
 - 2" or • 3" photomultiplier with B14A socket
- monitor construction, plugged on electronics SMC/MCA via B14A cap in a tube shaped housing
- use of existing NaI(Tl) detectors with B14A socket possible
- photomultiplier with magnetic shielding
- measurement of gamma dose and dose rate

Electronics

- multi-channel analyser SMC 2100 / MCA with 2048 channels, direct on the detector
- MCA with serial interfaces RS232 and RS485 for PC connection and link-up
- 4,3" TFT colour display with touch functions, resolution 480x272 pixels
- storage of measuring results on MicroSD card
- readout of measuring values and spectra via USB connection
- mains and battery operation
- PC operation with the software AM-SMCA01 even without SmartDisplay possible



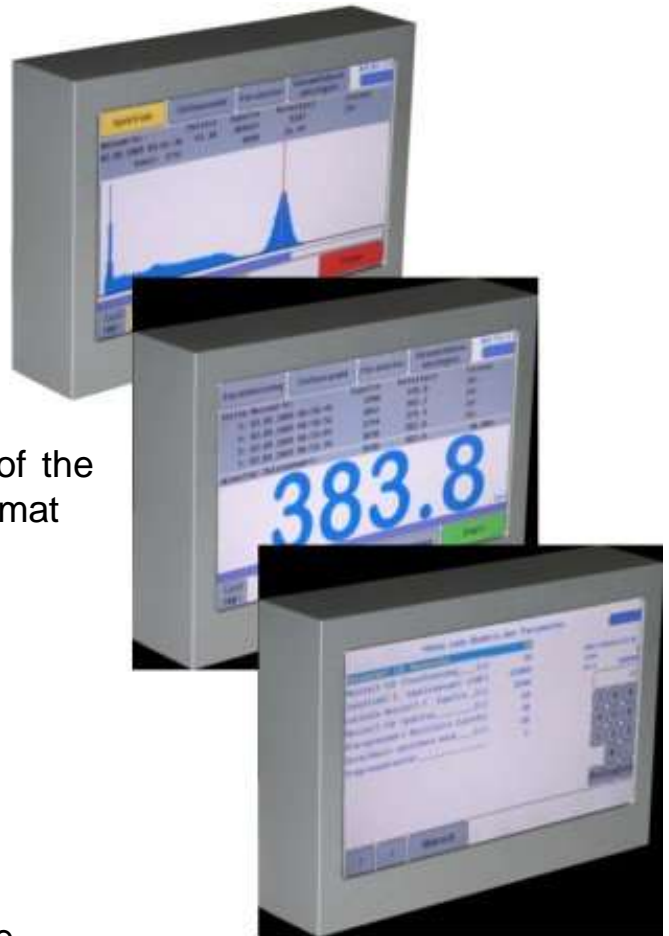


SmartSPEC

Gamma-Monitor with MCA

Firmware and Software

- Firmware in the SmartDisplay
 - measurement of gamma dose and dose rate and of total dose
 - single measurements, series of measurements or continuous runs
 - acquisition of gamma spectra in three selectable energy ranges
 - spectra can be stored in the format of the software AM-SMCA01 or in Excel® format
 - cursor for spectrum analysis
 - time or pulse pre-selection
- Windows® software AM-SMCA01



Technical Data

- multi-channel analyser

shaping time	3µs peak time
channel number	2048 channels
pulse rate	up to 100'000 cps
pulse contents	up to 2 ²⁴ pulses / channel
- detector

gamma	typically 2"x2" or 3"x3" NaI(Tl) crystal
energy range	typically 30keV till 3MeV
- connections

interfaces	MCA: RS232 and RS485, SmartDisplay: USB
DC supply	2,5V till 5V, 3x R20 batteries or 5V power supply
- construction

(L x ·)	325 x 65 mm, basic device · 2"x2" NaI(Tl) crystal·
---------	--

Distribuito in Italia da



www.activeradsys.it info@activeradsys.it

Tel: 0544 408071 Fax: 0544 201477