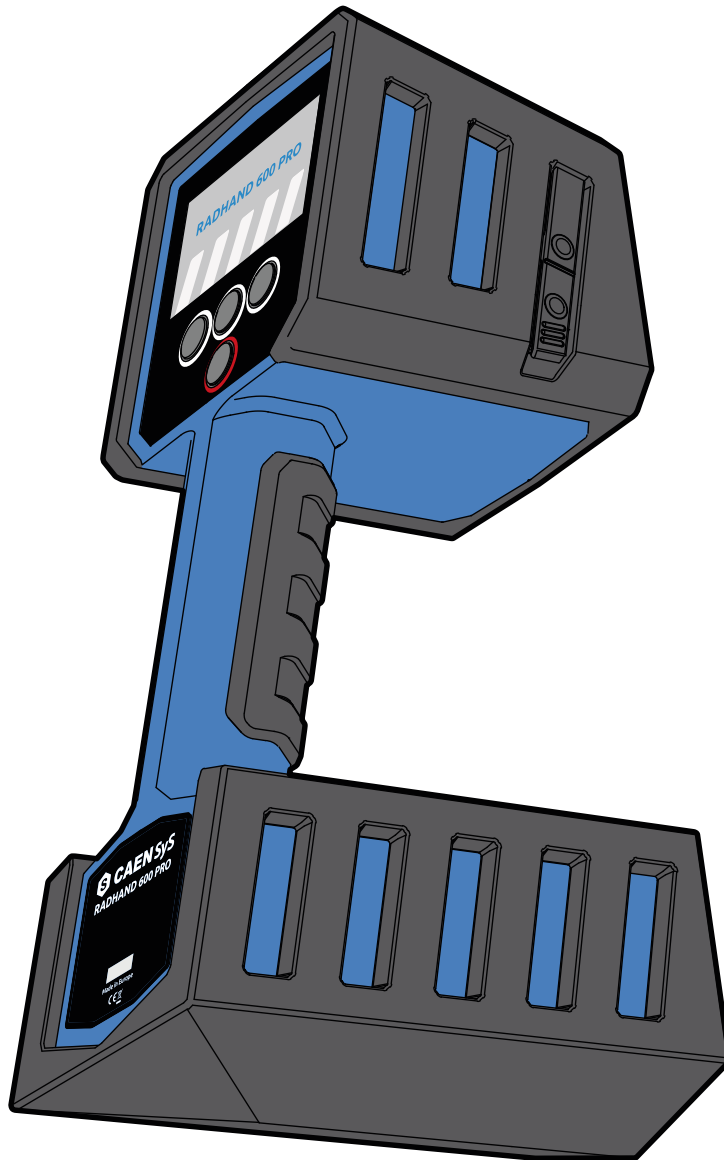




Target Systemelektronik



Target F600

Data Sheet

Version: 2.3-20191210

Technical Data

Technical Data Table

Detectors	
Gamma (a)	51 mm x 51 mm (2" x 2") NaI(Tl)
Gamma (b)	51 mm x 51 mm (2" x 2") NaI TM
Performance (a)	
Energy range (Gamma)	10 keV - 10 MeV
Linearization	Real-time linearization of gamma energy
Dose rate range (Cs-137)	10 nSv/h - 10 mSv/h (1 µrem/h - 1 rem/h) / ±30 %
Dose rate range ID Mode (Cs-137)	10 nSv/h - 250 µSv/h (1 µrem/h - 25 mrem/h)
Dose rate overload range (Cs-137)	10 mSv/h - 500 mSv/h (1 rem/h - 50 rem/h)
Maximum exposure rate	500 mSv/h (50 rem/h)
Stabilization	Sourceless gain stabilization (patents pending)
Nuclide library	per customer requirements
Library categories	SNM, IND, MED, NORM
Typical resolution	< 7 % FWHM at 662 keV with NaI detector at 20 °C (68 °F)
Maximum input count rate in identification mode	1 million cps (Cs-137)
Gamma sensitivity	1,850 cps/µSv/h (Cs-137)
Physical	
Dimensions (a,c) (W x L x H)	108 mm x 168 mm x 310 mm (12.2" x 6.6" x 4.2")
Dimensions (b) (W x L x H)	117 mm x 175 mm x 335 mm (4.6" x 6.9" x 13.2")
Weight (a)	< 2,000 g (< 4,4 lbs)
Housing material	Plastic
Environmental	
Operating temperature	-10 °C to 45 °C (-14 °F to 113 °F)
Relative humidity	85 % at 20 °C and non condensing conditions
Protection rating	IP65
Tests according IEC 62706	Drop, vibration, mechanical shock, electrostatic discharge, radio frequency immunity

UHF RFID Reader	
Frequency	Multi-Regional
Standards	ETSI or FCC compliant versions, EPC C1 G2, ISO 18000-6C Compliant
Output power	up to 500 mW (27 dBm)
Barcode Scanner	
Type	1D-2D imager
Aiming	528 nm visible green LED
Symbologies	<p>Linear: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post; 2D Stacked: PDF417, MicroPDF417, GS1Composite;</p> <p>2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code; Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code;</p> <p>OCR Option: OCR-A, OCR-B, E13B (MICR);</p>
Color Camera	
Type	Color-Camera
Resolution	5 Mpixel; 2592 x 1944 pixel
Colors	8bit RGB
Focusing Range	10 cm to infinity
Battery	
Type	Secure Li-Ion battery pack
Standard operation time	8h in dose rate mode with dimmed display back light and GPS switched off at 20 °C (68 °F)
Display	
Type	Blanview TFT-LCD
Size	69 mm x 41 mm (2.72" x 1.61")
Resolution	800 pixels x 480 pixels
Input/Output	
USB	Class 2.0
Bluetooth	Class 4.0

WLAN	WiFi 802.11 g/n
Software	
Remote operation	via web-interface
Functions	Dose rate, identification, RFID read/write, barcode read, record audio description, take color pictures
File Formats	Download file formats ANSI N42.42 and spc files compatible with third-party analysis software applications such as GADRAS, Cambio or PeakEasy
Data Storage	32GB
Service	
Warranty	2 years
Miscellaneous	
GPS Global positioning	12-channel SiRF III receiver
Clock	RTC Real Time Clock
Accessories	
Case	Rugged carrying case
Charger	2A USB battery charger
Connection cable	Micro-B socket USB cable
Battery adapter	Adapter for 4 AA alkaline batteries
Communication	Bluetooth Headset
RFID tags	Up 100 Gy rad tolerant UHF RFID tags

All technical data are subject to change without further notice.