

ABSOLUTE DOSIMETRY

THE FUTURE IS ELITE



MAX ELITE™

PATENT PENDING

ABSOLUTE DOSIMETRY

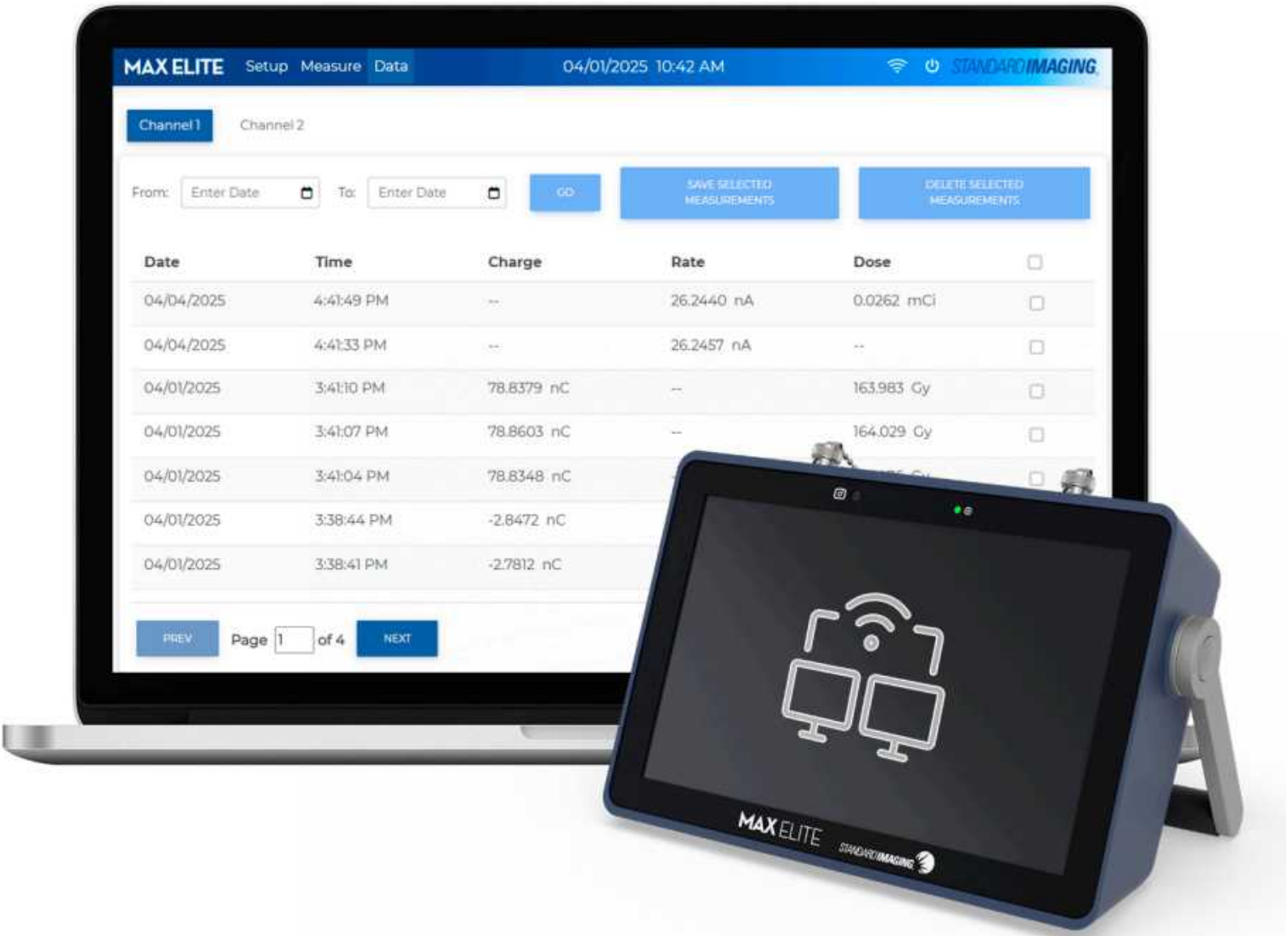


MAX ELITE

BUILDING THE FUTURE

The foundation for evolving technologies

This electrometer isn't just a device — it's the foundational platform for tomorrow's advancements. Engineered to integrate new technologies and support emerging therapies, it delivers unmatched precision and flexibility through cutting-edge technology. Unlock new possibilities in care with a tool designed to evolve alongside you.



ABSOLUTE DOSIMETRY



THE FUTURE IS ELITE

WHERE PRECISION MEETS PERFORMANCE.
THE PREMIER, REFERENCE-CLASS ELECTROMETER.

STREAMLINED SETUP, MAXIMUM EFFICIENCY

Get up and running quickly with an intuitive interface that makes measurements and adjustments seamless.

PRECISION AT YOUR FINGERTIPS

The largest capacitive touch screen on the market delivers quick, responsive touch control—no stylus needed.



FAST RESPONDING

Fast-settling and fast-zeroing features that deliver both speed and precision for quick, reliable data collection.

FLEXIBILITY REDEFINED

Make use of the remote operation capability or set your optimal screen angle for maximum viewing flexibility.

[Remote operation available on the MAX Elite 2]

THE CHOICE FOR PRECISION.
THE STANDARD FOR QUALITY.

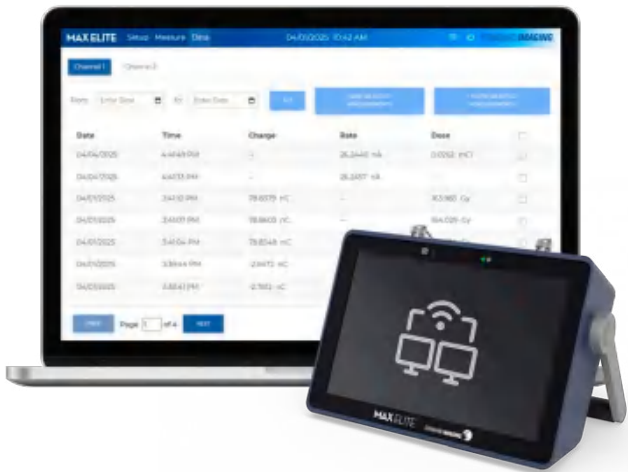
Largest touch screen on the market.
Intuitive interface.
High precision measurements.

THE NEXT EVOLUTION ELECTROMETER

ACCESS MADE SIMPLE

One Interface, Any Location
[Available on the MAX Elite 2]

Remote operation allows the user to connect directly to the MAX Elite software through a browser on a computer. Access the device and operate a mirror of the interface with a mouse and keyboard.



CALIBRATION MADE SMARTER

From Data Matrix to Database in Seconds
[Available on the MAX Elite 2]

Say goodbye to manual data entry! The advanced camera system scans the data matrix code (DMC) on your chamber's calibration certificate and instantly auto-fills key detector details—calibration factor, date, name, and serial number—directly into your database.



MAX ELITE SPECIFICATIONS

CHANNELS — 1 channel (MAX Elite 1), 2 channels (MAX Elite 2) or 4 channels (MAX Elite 4) – factory configurable.
DIMENSIONS — [length × width × height] 26.7 cm (10 in) × 8.1 cm (7 in) × 21.1 cm (5.5 in)
WEIGHT — 2.3 kg (5.05 lbs) (4-channel) // **MODE OF OPERATION** — Continuous, Timed, or Triggered
DISPLAY — Color LCD IPS touch screen. WXGA (1280x800) resolution, 10.1" diagonal
INPUT CONNECTION — BNC two lug triaxial connector (TNC option is available.)
ZEROING — Zero via button push - Display indicates zeroing in progress 1-30 seconds.
FOR THE MAX ELITE 2 & 4: CODE READER — Data matrix code reader for easy detector calibration input
MAIN SOFTWARE FUNCTIONS — Measurement for Channel 1, Chamber Library; Check Source Database
For MAX Elite 2 & 4: Individual measurement for Channel 1, Channel 2, Channel 3, or Channel 4; Channel 1 & 2 measurement; Four Channel measurement
CONNECTIVITY — Ethernet 10/100Mbit; USB 2.0 (keyboard, flash drive, or mouse support); Wi-Fi Dual Band 2.4/5GHz, 802.11ac/a/b/g/n.
REAL-TIME CLOCK — On board, for timekeeping and data time stamp. // **AUDIO** — On board speaker for audio feedback
POWER REQUIREMENTS — 100-240 VAC, 50/60 Hz input to external power supply, 9 VDC, 2.0 A power supply output to electrometer input, Globtek®, Inc. model GTM 96180-1811-2.0-T.
PRODUCT STANDARDS — IEC 60601-1-2 Edition 4.1:2020, IEC 60601-1-6:2010/AMD2:2020, IEC 60601-1:2005/AMD2:2020, IEC 60731 (Reference Class)₂

MEASURING RANGE IEC60731 REFERENCE CLASS

LOW — 0.4000 pA - 1.0000 nA, 0.4000 pC – 100 mC // **HIGH** — 0.0400 nA - 1.0000 µA, 0.0400 nC – 100 C
BIAS VOLTAGE — 0, (±) 10 - 450 V in 1 V increments; 10-24VDC +/- 10%; 25-49VDC +/- 5%; 50-450VDC +/-1%
For the MAX Elite 2 & 4: 0, (±) 10 - 1000 V in 1 V increments; 10-24VDC +/- 10%; 25-49VDC +/- 5%; 50-1000VDC +/-1%
RANGE SWITCHING — User selectable – High and Low // **CURRENT INPUT** — 400 fA - 1 uA

SELECTABLE DISPLAY RESOLUTION

LOW — Rate mode/Charge mode — 0.001 pA / 0.001 pC
For the MAX Elite 2 & 4: 0.001 pA / 0.001 pC or 0.0001 pA / 0.0001 pC
HIGH — Rate mode/Charge mode — 0.001 nA / 0.001 nC or 0.0001 nA / 0.0001 nC
For the MAX Elite 2 & 4: 0.001 nA / 0.001 nC or 0.0001 nA / 0.0001 nC

REPEATABILITY

LOW RANGE — ≤ +/-0.25% // **HIGH RANGE** — ≤ ± 0.15% // **LONG TERM STABILITY** — ≤ ± 0.5% over 1 year
STABILIZATION TIME — ≤ ± 0.1% // **NON-LINEARITY** — ≤ ± 0.25% // **ZERO DRIFT** — ≤ ± 0.25% // **ZERO SHIFT** — ≤ ± 0.25%
RESPONSE TIME (90%) — Low range rate: 2.20 seconds, High range rate: 2.20 seconds
Low range charge: 1.95 seconds, High range charge: 0.26 seconds

CHARGE COLLECTION MODES

TIMED MODE — Selectable timer from 1 to 86400 seconds in 1 second increments. 500 repeated collections.
CONTINUOUS MODE (Manual Start/Stop) — Press Start to begin collection and Stop to end
TRIGGER MODE — current exceeding pre-selected trigger values starts measurement, and current below pre-selected stop trigger value stops collection
TIMER RESOLUTION — 1 second
TRIGGER LEVELS FOR CHARGE COLLECTION — Start value must be larger than stop value. Low Range 10 fA – 1 nA. High Range 10 pA – 10 nA

OPERATING PARAMETERS

TEMPERATURE — 15 to 35 °C // **RELATIVE HUMIDITY** — 20 to 80% non-condensing

STORAGE PARAMETERS

TEMPERATURE — -15 to 50 °C // **RELATIVE HUMIDITY** — 10 to 95% non-condensing

CHAMBER LIBRARY CALIBRATION COEFFICIENTS

AMPERE SYSTEM FACTORS — Nsk:µGym²/(h*A); Nsk:Gym²/(h*A); Nx,sk:Rm²/(h*A); NA:GBq/A; NA:Ci/A; ND,W:mGy/(sec*A); NA:MBq/A; NA:mCi/A
COULOMB SYSTEM FACTORS — Nk:Gy/C; Nx:R/C; NGas:Gy/C; ND:Gy/C; ND,W:Gy/C

1 Externally Certified; 2 Designed to Meet; Specifications subject to change without notice.
MAX Elite 4 has all feautres of the MAX Elite 2

ABSOLUTE DOSIMETRY

STANDARDIMAGING®



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1452-00 (4.25)