Andern technology Andern technology Antegrated Bluetooth as Standard Antegrated Bluetooth integrated into Hardware Vor. requires dongle Antegrated Antegr	Description	Mako	Raysafe X2
Antegrated Bluetooth as Standard All autotooth integrated into Hardware All control into Hardware All cont	Efficiency / General		
Siluctooth integrated into Hardware	Modern technology	Released 2024	Released 2013
Accide automated reporting Quoted battery life 20 hours 10 hours Measures KV, dose, dose rate, HVL, footal Fittration, Exposure time Fully wireless capability V X Fully wireless capability V X Non-invasive mAs option V X Non-invasive mAs option V X Non-invasive mAs option V X DAP (dose area product) option V X CT bose Profiler option Accuracy Weasures in Radiography V Weasures in Radiography V Weasures in Fluoroscopy V V Wicks tkV range in Radi Fluoro 35- 155 kVp 40-150 kVp Smallest detector width 0.9 mm 4 mm Widest aperture angle for KV measurements 30° 10° in a least one orientation or fluorescopy V V Weasures without affecting AEC V W Weasures without affecting AEC V V Weasures in Mammography V V Wouncertainty statement Mammography V V Wouncertainty statement Mammography V V Wouncertainty statement in Dental V V Weasures in Dental V Weasures in Dental V Weasures in Dental V V Weasur	Integrated Bluetooth as Standard	✓	×
Quoced battery life 20 hours 10 hours Measures KV, dose, dose rate, FML, footal Filtration, Exposure time interchangeable display device Fully wireless capability won-invasive mAs option Von-invasive mAs option Volo-invasive	Bluetooth integrated into Hardware	✓	No, requires dongle
Measures kV, dose, dose rate, HVL, rotal Filtration, Exposure time interchangeable display device	1-click automated reporting	✓	×
Trotal Filtration, Exposure time The interchangeable display device Fully wireless capability The interchangeable display device Fully wireless capability The interchangeable display device Fully wireless capability The interchangeable display device To chamber option The interchangeable display device The interchangeable display device displ	Quoted battery life	20 hours	10 hours
Fully wireless capability Invasive mAs option If inchamber option If	Measures kV, dose, dose rate, HVL, Total Filtration, Exposure time	✓	✓
Non-invasive mAs option V V V Non-invasive mAs option V V V Non-invasive mAs option V V V V V V V Measures in Radiography V Measures in Fluoroscopy V Measures in Fluoroscopy V Measures in Fluoroscopy V Measures in Fluoroscopy V Measures in Radiography V Measures in Radiography V Measures in Radiography V Measures in Fluoroscopy Modest Radio Fluoro Modest Aperture angle for dose measurements Modest aperture angle for dose measurements Modest aperture angle for kV measurements Modest aperture angle for k	Interchangeable display device	✓	×
Non-invasive mAs option V	Fully wireless capability	✓	×
ET ion chamber option DAP (dose area product) option CT Dose Profiler option Accuracy Weasures in Radiography Weasures in Fluoroscopy Junertainty statement R/F 4-1.15% 4-2% Midest kV range in Rad/Fluoro Smallest detector width 0.9 mm 4 mm Smallest detector length 0.9 mm 7 mm Widest aperture angle for dose measurements 30° Smallest detector length 10° in at least one orientation Widest aperture angle for kV measurements 15° 10° Measures without affecting AEC Wuncertainty statement Mammography Wuncertainty statement Mammography Wuncertainty statement Mammography Wuncertainty statement in Dental Wuncertainty statement i	Invasive mAs option	✓	✓
DAP (dose area product) option ** ** ** ** ** ** ** ** ** ** ** ** *	Non-invasive mAs option	✓	×
Accuracy Measures in Radiography Measures in Fluoroscopy Uncertainty statement RVF H-1.5% Midest kV range in Radi/Fluoro Sacuracy Midest Av range in Radi/Fluoro Sacuracy Midest Average in Radi/Fluoro Sacuracy Smallest detector width 0.9 mm 4 mm 7 mm Midest aperture angle for dose measurements 30° 10° in at least one orientation Midest aperture angle for kV measurements 15° 10° Measures in Mammography V V uncertainty statement in Dental W Uncertainty statement in Dental V V Measures in CT Weasures in Dental V V V uncertainty statement in Dental V V V V V V V V V V V V V V V V V V V	CT ion chamber option	✓	V
Measures in Radiography Measures in Fluoroscopy Measures in Fluoroscopy Midest kV range in Rad/Fluoro Smallest detector width Smallest detector width Smallest detector width Mosmalest detector width Mosmalest detector length Mosmalest detector width Mosmalest d	DAP (dose area product) option	✓	×
Measures in Radiography Measures in Fluoroscopy Juncertainty statement R/F +/- 1.5% +/- 2% Midest KV range in Rad/Fluoro 35- 155 KVp 40- 150 KVp Smallest detector width 0.9 mm 4 mm 7 mm Midest aperture angle for dose measurements 0.9 mm All one orientation Midest aperture angle for kV measurements 15° 10° Measures without affecting AEC // Weasures without affecting AEC // Weasures in Mammography // V/ Uncertainty statement Mammography // V/ Uncertainty statement Mammography // V/ Uncertainty statement Mammography // Weasures in CT // Weasures in CT // Weasures in Dental // Uncertainty statement in Dental // Weasures in CT // Weasures in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Weasures in Dental // Uncertainty statement in Dental // Uncertainty	CT Dose Profiler option	✓	×
Measures in Fluoroscopy Juncertainty statement R/F Juncertainty statements Juncertainty statements Juncertainty statements Juncertainty statements Juncertainty statements Juncertainty statement R/F Juncertainty statement R/F Juncertainty statement Mammography Juncertainty	Accuracy		
Ancertainty statement R/F	Measures in Radiography	✓	✓
Widest kV range in Rad/Fluoro 35- 155 kVp 40-150 kVp Smallest detector width 0.9 mm 7 mm 7 mm Widest aperture angle for dose measurements 30° 010° in at least one orientation Widest aperture angle for kV measurements 15° 10° Measures without affecting AEC Weasures in Mammography V uncertainty statement in Dental V uncertainty statement in	Measures in Fluoroscopy	✓	✓
Similarity detector width 0.9 mm 4 mm Similarity detector length 0.9 mm 7 mm Midest aperture angle for dose measurements 30° 0° in at least one orientation Midest aperture angle for kV measurements 15° 10° Measures without affecting AEC Measures in Mammography	Uncertainty statement R/F	+/- 1.5%	+/- 2%
Smallest detector length 0.9 mm 7 mm Widest aperture angle for dose measurements 30° 10° in at least one orientation Widest aperture angle for kV measurements 15° 10° Measures without affecting AEC	Widest kV range in Rad/Fluoro	35- 155 kVp	40-150 kVp
Midest aperture angle for dose measurements 30° 10° in at least one orientation Midest aperture angle for kV measurements 15° 10° Measures without affecting AEC Weasures in Mammography V V Uncertainty statement Mammography 4/- 1.5% 4/- 2% Mammo Probe/Sensor covers entire Clinical range 18-49 kV Orientation independent Weasures in Dental V Uncertainty statement in Dental V Wassures of Dental V Uncertainty statement in Dental V Wassures an guide positioning of probe without Gafchromic film needed Can measure down to 1 mm beam width in panoramic dental applications Software 1 click automated reporting Make a sutomated database in SW Ability to schedule testing and PM preventative maintenance) within the software Ability to gystem and equipment info with measurements and templates Share pre-defined automated routines (templates) Make a pre-defined automated routines (templates) Make a pre-defined automated routines (templates) Make a pre-defined automated routines in the software Automatic log and tracking of meters used with software Matomatic log and tracking of meters used with software Solutions Tree online training as standard Marranty (up to) 10 year 8 year 1 year	Smallest detector width	0.9 mm	4 mm
widest aperture angle for kV measurements 15° 10° Measures without affecting AEC Weasures in Mammography V V Wammo Probe/Sensor covers entire Clinical range 18-49 kV Orientation independent Weasures in Dental V U Weasures in Dental V W Requires customized Excel Integrated davatomated reporting V X Requires customized Excel Integrated database in SW V X Whillity to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates W Share pre-defined automated routines (templates) W Share pre-defined automated routines (templates) W Share pre-defined automated routines (templates) W W Automatic database backup to cloud (option) W Automatic log and tracking of meters used with software Automatic log and tracking of meters used with software Automatic log and tracking of meters used with software Automatic log and tracking of meters used with software Automatic log and tracking of meters used with software Automatic log and tracking of meters used with software Automatic log and tracking of meter	Smallest detector length	0.9 mm	7 mm
Measures without affecting AEC Measures in Mammography Voluncertainty statement in Carlot Voluncertainty statement in Dental Voluncertainty statement in He-2% Voluncertain	Widest aperture angle for dose measurements	30°	
Measures in Mammography Advuncertainty statement in Dental Advuncertainty statement in 1 Den	Widest aperture angle for kV measurements	15°	10°
Advincertainty statement Mammography +/- 1.5% +/- 2% Mammo Probe/Sensor covers entire Clinical range 18-49 kV Drientation independent Measures in CT Measures in Dental Av uncertainty statement in Av uncer	Measures without affecting AEC	✓	V
Mammo Probe/Sensor covers entire clinical range 18-49 kV Orientation independent Weasures in CT Weasures in Dental cV uncertainty statement in Dental cV uncertainty sta	Measures in Mammography	✓	✓
Clinical range 18-49 kV Crientation independent Weasures in CT Weasures in Dental Wy uncertainty statement in Dental Av uncertainty statement in Dental Wy (sensor is 4mm wide Software Requires customized Excel Wy uncertainty statement in Sensor is 4mm wide Wy Requires customized Excel Wy uncertainty statement in Sensor is 4mm wide Wy Requires customized Excel Wy uncertainty statement in Sensor is 4mm wide Wy Requires customized Excel Wy uncertainty statement in Sensor is 4mm wide Wy Requires customized Excel Wy uncertainty statement in Sensor is 4mm wide Wy Requires customized Excel Wy Requires Can measure dwn wide Can measure dwn wide C	kV uncertainty statement Mammography	+/- 1.5%	+/- 2%
Measures in CT Measures in Dental V	Mammo Probe/Sensor covers entire clinical range 18-49 kV	V	* *
Measures in Dental AV uncertainty statement in Statement AV uncertainty statement in Statement AV uncertainty statement in Dental AV uncertainty statement in Dental AV uncertainty statement in Denta AV uncertainty statement in Denta in Uncertainty i	Orientation independent	✓	✓
AV uncertainty statement in Dental +/- 1.5% +/- 2% Software can guide positioning of probe without Gafchromic film needed Can measure down to 1mm beam width in panoramic dental applications Software It click automated reporting It click automated analysis directly with X-ray exposure Integrated database in SW Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Software pre-defined automated routines (templates) Export to Excel function Cloud Cloud solutions Automatic database backup to cloud (option) Automatic log and tracking of meters used with software	Measures in CT	V	✓
Software can guide positioning of probe without Gafchromic film needed Can measure down to 1mm beam width in panoramic dental applications Software It click automated reporting Camplates to automate analysis directly with X-ray exposure Integrated database in SW Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Software pre-defined automated routines (templates) Capport to Excel function Cloud Cloud solutions Automatic database backup to cloud (option) Automatic log and tracking of meters used with software Automatic log and tracking of meters used with	Measures in Dental	V	✓
without Gafchromic film needed Can measure down to 1mm beam width in panoramic dental applications Software It click automated reporting If Emplates to automate analysis directly with X-ray exposure Integrated database in SW Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Share pre-defined automated routines (templates) Export to Excel function Cloud Cloud Solutions Automatic database backup to cloud (option) Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) 10 year 8 year Recommended calibration cycle 2 year 1 year	kV uncertainty statement in Dental	+/- 1.5%	+/- 2%
width in panoramic dental applications Software 1 click automated reporting Femplates to automate analysis directly with X-ray exposure Integrated database in SW Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Share pre-defined automated routines (templates) Export to Excel function Cloud Cloud solutions Automatic database backup to cloud (option) Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) 10 year 8 year 1 click automated reporting ** Requires Requires Requires Requires Requires Requires Requires Requires Customized Excel ** ** ** ** ** ** ** ** **	Software can guide positioning of probe without Gafchromic film needed	V	×
In click automated reporting If click automated automated in SW If click	Can measure down to 1mm beam width in panoramic dental applications	✓	**
Templates to automate analysis directly with X-ray exposure Integrated database in SW Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Share pre-defined automated routines (templates) Export to Excel function Cloud Cloud solutions Automatic database backup to cloud (option) Automatic database backup to cloud (option) Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	Software		
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Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Share pre-defined automated routines (templates) Export to Excel function Cloud Cloud Solutions Automatic database backup to cloud (option) Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	Templates to automate analysis directly	V	
Ability to schedule testing and PM preventative maintenance) within the software Ability to log system and equipment info with measurements and templates Share pre-defined automated routines (templates) Export to Excel function Cloud Cloud Solutions Automatic database backup to cloud (option) Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	· .		
Ability to log system and equipment info with measurements and templates Share pre-defined automated routines (templates) Export to Excel function Cloud Cloud Cloud solutions Automatic database backup to cloud (option) Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	Integrated database in SW Ability to schedule testing and PM	<i>V</i>	• • • • • • • • • • • • • • • • • • • •
Warranty (up to) Share pre-defined automated routines (templates) ** ** ** ** ** ** ** ** **	(preventative maintenance) within the software Ability to log system and equipment info		**
Export to Excel function Cloud Cloud Solutions Automatic database backup to cloud (option) Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	with measurements and templates Share pre-defined automated routines (templates)	V	• •
Cloud solutions Automatic database backup to cloud (option) Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) 10 year 8 year Recommended calibration cycle 2 year 1 year		V	V
Automatic database backup to cloud (option) Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year			
Automatic database backup to cloud (option) Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	Cloud solutions	V	×
Automated calibration reminders in the software Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	Automatic database backup to cloud (option)	V	×
Automatic log and tracking of meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	Automated calibration reminders in the software	V	×
meters used with software Solutions Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year		4	
Free online training as standard Warranty (up to) Recommended calibration cycle 2 year 1 year	meters used with software	<u> </u>	*
Warranty (up to) 10 year 8 year Recommended calibration cycle 2 year 1 year	Solutions		
Recommended calibration cycle 2 year 1 year	Free online training as standard	V	×
	Warranty (up to)	10 year	8 year
10-day turnaround guarantee as standard	Recommended calibration cycle	2 year	1 year
	10-day turnaround guarantee as standard	✓	×