

Products data of ULTRA 100



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REP

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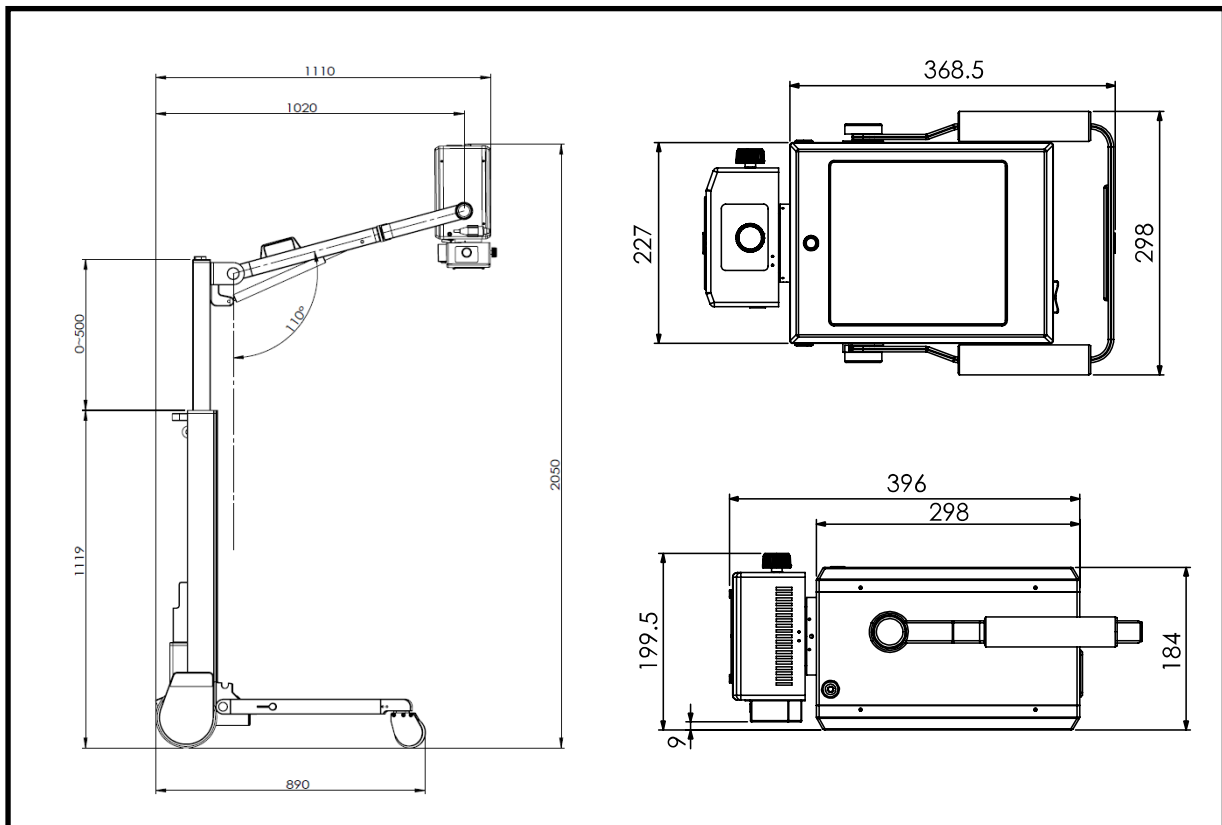
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Specification

Specifications		
Input power		200~240VAC(50Hz/60Hz)
Inverter Frequency	Inverter	80KHz
	Filament	40KHz
KV range		40KV~110KV(1KV STEP)
mAs range		0.32mAs~100mAs
x-ray tube	Manufacture	TOSHIBA
	Model	DF-182
Focal spot		1.8mm
Anode heat storage capacity		28KJ
Maximum anode cooling rate		265W
Laser point	Peak wavelength	650nm
	Optical power	<1mV , Class I
Lamp(LED)		More than 130 lux
Filtration total		Al. equiv. 2.8mm 75kvp
Weight		18 kg

- Specification is subject to change.

Dimension



Shooting Scope

* The table below is intended be a reference to the user when using ULTRA 100.

KV	Range	40KV~110KV(1KV STEP)		
mAs	Range	0.32mAs~100mAs		
	STEP	0.32, 0.4, 0.5, 0.63, 0.8, 1.0, 1.25, 1.6, 2.0, 2.5, 3.2, 4.0, 5.0, 6.3, 8.0, 10, 12, 16, 20, 25, 32, 40, 50, 63, 80, 100mAs		
Allowable value	Defaults	KV	mA	mAs
	40KV/2mAs	40KV~50KV	100mA	0.32~2.0mAs
			80mA	2.5~6.3mAs
			60mA	8.0~50mAs
			50mA	63~100mAs
		51KV~60KV	80mA	0.32~3.2mAs
			70mA	3.2~8.0mAs
			50mA	10~50mAs
			40mA	63mAs~100mAs
		61KV~70KV	70mA	0.32~2.5mAs
			60mA	4.0~8.0mAs
			50mA	10~32mAs
			35mA	40~100mAs
		71KV~80KV	60mA	0.32~1.6mAs
			50mA	2.5~10mAs
			40mA	12~32mAs
			30mA	40~100mAs
		81KV~90KV	50mA	0.32~1.6mAs
			40mA	2.0~5.0mAs
			30mA	6.3~40mAs
			25mA	50~100mAs
		91KV~100KV	50mA	0.32~0.8mAs
			40mA	1.0~2.5mAs
			30mA	3.2~25mAs
			20mA	32~100mAs
		101KV~110KV	40mA	0.32~0.8mAs
			30mA	1.0~10mAs
			25mA	12~25mAs
20mA			32~100mAs	

Ultrasonic SID Sensor for Auto Display

By contrast with the other products, ULTRA 100 is equipped with Ultrasonic Sensor providing max. 250cm SID (Source to Image Distance) measurement with high accuracy of ± 1 cm tolerance.

The measured SID is automatically being displayed on Operation Panel when laser pointer is activated.

Another distinguishing feature of Ultrasonic Sensor is NO Dead Zone (an area unable to be detected). Besides, its power consumption is very low about 3.1mA.

Convenient Detector Connection (DR Trigger port)

ULTRA 100 is directly connected to Detector as AGI box is NOT necessary when being used with a wired-type Detector. It provides users with more convenience.

Easy DR configuration

ULTRA 100 provides the additional connection port for DR interface. Since the beginning of the development, ULTRA 100 is elaborately designed for optimal DR system connection.

High Output Power

ULTRA 100 provides Max. 5kW output power as well as Max. 100 mA range. This conspicuous feature enables users to sufficiently examine even up to the thickest human body part

: ex) Chest Position. Therefore, ULTRA 100 is the optimized portable X-ray unit from companion animals to beloved people.

DAP meter

DAP (Dose Area product) meter enables assessing the radiation risk from X-ray examinations for human. And it is also valuable quality tools for monitoring changes in equipment and procedures.

User-Friendly Operation Panel

ULTRA 100's Operation Panel is very carefully desinged to efficiently provide users with easy comprehension and control on each function.

Non-hazardous Laser Pointer

ULTRA 100 features the safest Collimator Laser Pointer as Class 1. Of Class 1-4, the bigger number indicates a high level of hazardous influence on human, which is based on International Laser Safety Standards (IEC : 60825-1 Edition 1.2). the Class 1 is defined as "Lasers that are NOT hazardous for continuous viewing or are designed in such a way that prevent human access to laser radiation."