

# MAX Series Controller

## MAX-CTR-80-2

80kV, 2 mA

*Fault Detection*

*PC Interface*

*Display*



*Control*

*Monitor*

*Protection*



**Front View**



**Rear View**

### User Friendly Design

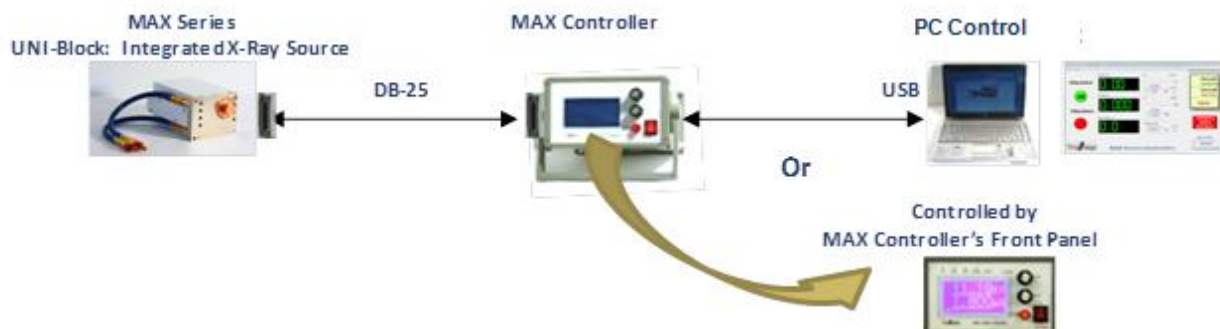
Connected to MAX Integrated X-ray tube and start to operate

**MAX Series Controller (MAX Controller)** was developed in conjunction with TruFocus MAX Integrated X-Ray series (UNI-Block: MAX-UNI-L or MAX-UNI-S) to form a fully programmable and flexible X-Ray sub-system. It provides users both Front Panel manual control and computer (PC) control. Fiber to USB PC interface protects the PC control station damage from high voltage electrical spike coupling caused by high KV switching environment. Software Driver with user friendly graphic interface comes with the Controller.

**MAX Controller** helps engineers to perform X-Ray tests and System integration efficiently and safely.

### Two ways to use to control the UNI-Block:

- 1) **Front Panel Control Mode:** Controlling the UNI-Block directly using the front panel control of MAX Controller
- 2) **PC Control Mode:** Controlling the UNI-Block with an external PC and a MAX Driver



**Note: Different KV versions of MAX Controllers are available upon request. MAX UNI Block(s) that can be controlled by MAX Controller**

V01

## Standard Product List ( MAX-UNI-L) - 10°

MAX Family	TruFocus Ordered P/N	Min. Voltage (kV)	Max. Voltage (kV)	Max. Current (mA)	Max. Power (W)	Target Angle (°)	Beam Angle	Cooling Method	Control Interface
MAX-UNI	MAX-UNI-L-4-10-W	17	40	2	80	10°	X=30° Y=20°	Water	Y
MAX-UNI	MAX-UNI-L-5-10-W	17	50	2	100	10°	X=30° Y=20°	Water	Y
MAX-UNI	MAX-UNI-L-6-10-W	17	60	2	120	10°	X=30° Y=20°	Water	Y
MAX-UNI	MAX-UNI-L-8-10-W	17	80	2	160	10°	X=30° Y=20°	Water	Y

## Standard Product List ( MAX-UNI-L) - 15°

MAX Family	TruFocus Ordered P/N	Min. Voltage (kV)	Max. Voltage (kV)	Max. Current (mA)	Max. Power (W)	Target Angle (°)	Beam Angle	Cooling Method	Control Interface
MAX-UNI	MAX-UNI-L-4-15-W	17	40	2	80	15°	X=30° Y=25°	Water	Y
MAX-UNI	MAX-UNI-L-5-15-W	17	50	2	100	15°	X=30° Y=25°	Water	Y
MAX-UNI	MAX-UNI-L-6-15-W	17	60	2	120	15°	X=30° Y=25°	Water	Y
MAX-UNI	MAX-UNI-L-8-15-W	17	80	2	160	15°	X=30° Y=25°	Water	Y

## Standard Product List ( MAX-UNI-S) - 10°

MAX Family	TruFocus Ordered P/N	Min. Voltage (kV)	Max. Voltage (kV)	Max. Current (mA)	Max. Power (W)	Target Angle (°)	Beam Angle	Cooling Method	Control Interface
MAX-UNI	MAX-UNI-S-4-10-W	17	40	2	80	10°	X=62.75° Y=41.5°	Water	Y
MAX-UNI	MAX-UNI-S-5-10-W	17	50	2	100	10°	X=62.75° Y=41.5°	Water	Y
MAX-UNI	MAX-UNI-S-6-10-W	17	60	2	120	10°	X=62.75° Y=41.5°	Water	Y
MAX-UNI	MAX-UNI-S-8-10-W	17	80	2	160	10°	X=62.75° Y=41.5°	Water	Y

## Standard Product List ( MAX-UNI-S) - 15°

MAX Family	TruFocus Ordered P/N	Min. Voltage (kV)	Max. Voltage (kV)	Max. Current (mA)	Max. Power (W)	Target Angle (°)	Beam Angle	Cooling Method	Control Interface
MAX-UNI	MAX-UNI-S-4-15-W	17	40	2	80	15°	X=62.75° Y=48.7°	Water	Y
MAX-UNI	MAX-UNI-S-5-15-W	17	50	2	100	15°	X=62.75° Y=48.7°	Water	Y
MAX-UNI	MAX-UNI-S-6-15-W	17	60	2	120	15°	X=62.75° Y=48.7°	Water	Y
MAX-UNI	MAX-UNI-S-8-15-W	17	80	2	160	15°	X=62.75° Y=48.7°	Water	Y

### Note:

Controller ordered should be matched the MAX UNI.

For example, 80KV Controller should match with 80KV Max UNI unit

For more information, contact TruFocus at (831) 761 9981 or info@trufocus.com

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### Pre-Cautionary Note

- X-Ray radiation is harmful to the human body. It is necessary to take all safety precautions when operating this device.
- The x-ray tube should be installed in an x-ray shielded cabinet to avoid exposure. It is recommended that the safety interlock system be used at all times.

### Warranty Information

This x-ray tube is warranted to be free of defects in materials and performance for a period of 356 days (1 year). This warranty is limited to repair or replacement of defective products only. This warranty replacement cost to customer shall be prorated over the duration of the warranty period. The warranty period commences on the date of installation, but no later than 30 days from the date of shipment from TruFocus to the customer. Any loss, damage, failure and/or malfunction relating in any way to accident, abuse, alteration, misuse, neglect, fitting, disassembly, attempted repair, storage, adjustment of the electronics, or failure to use the tube within the specifications or operating instructions provided by TruFocus, or the lack of proper routine care and maintenance of the tube or system in which it is installed, are expressly denied coverage under this warranty.