

## MicroFocus Digital Controller

### MFX-CTR-100-1-D

Family	TruFocus Ordered P/N	Description	Max. Voltage (kV)	Max. Current (mA)	Max. Power (W)	Cooling Method	Weight	Programmable Control Interface
MFX	MFX-CTR-100-1-D	MicroFocus Digital Controller. For Controlling 8000 Series X-Ray Source family	100	1	100	Air	4.5 lb	USB



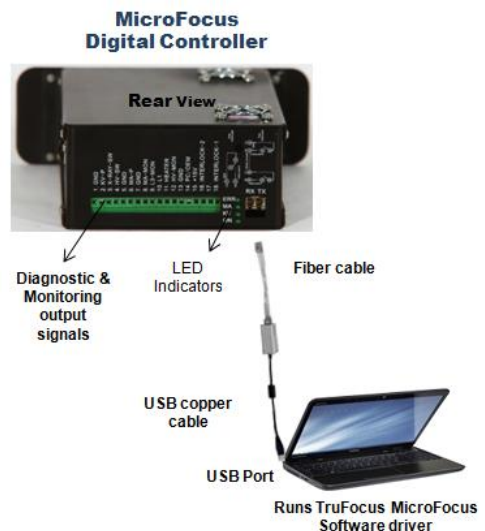
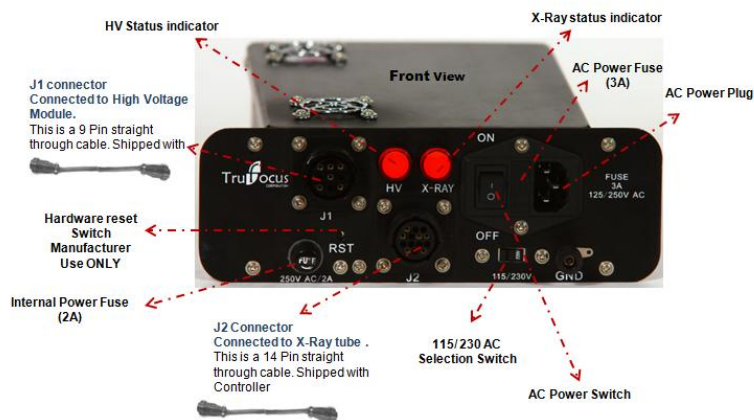
Front View



Rear View

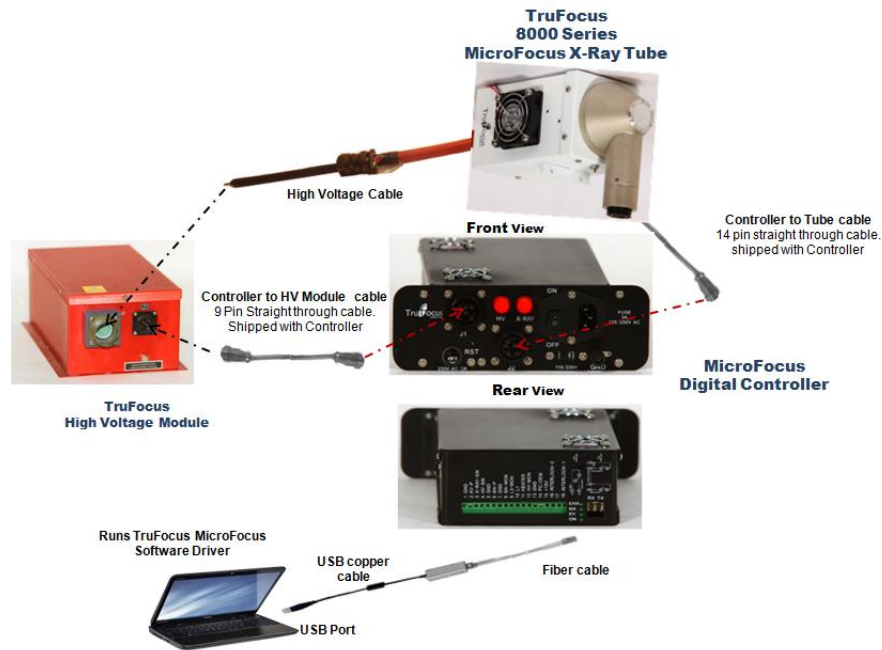
**MicroFocus Digital Controller** is specifically designed for controlling TruFocus 8000 Series X-Ray Tube Family. MicroFocus Digital Controller is to be used with TruFocus' High Voltage (HV) Module to form a fully programmable X-ray High Voltage Power Supply and Control sub-system. Achieving highest external EMI & HV surge immunity with Fiber to USB PC interface design. MicroFocus Digital Controller provides X-ray system designers many diagnostic and monitoring functions.

### Functional Overview



- Software Driver supports Window Vista, Window XP and Window 7
- Software Driver shipped with MicroFocus Digital Controller

## MicroFocus Controller Sub-system connection

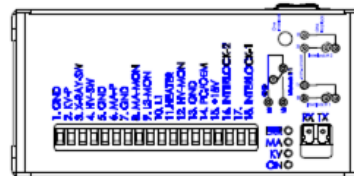
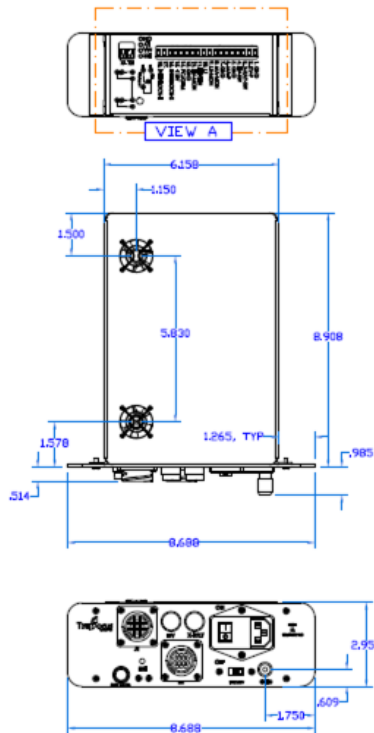


## Diagnostic and Monitoring Function (Rear Panel Connector-Bar)

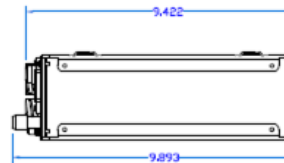
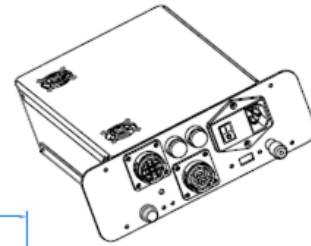
	I/O	Pin Function	Note
1		GND	GND
2	I	KV-P	KV Program, 10V= 100 kV
3	I	X-RAY-SW	X-Ray SW control
4	I	HV-SW	High Voltage control
5		GND	GND
6	I	MA-P	mA Program, 10V = 1 mA
7		GND	GND
8	O	MA-MON	mA Monitor
9	O	L3-MON	L3 Monitor
10	O	L1	L1 Monitor
11	O	HEATER	Heater Monitor
12	O	HV-MON	High Voltage Monitor
13		GND	GND
14	I	PC/OEM	PC/ Manual Mode selection (Input)
15	O	+15	+15V output
16 + 18		<p>13: GND</p> <p>One InterLock</p> <p>18: InterLock #1</p>	<p>Internally connected</p> <p>InterLock # 1</p> <p>InterLock # 2</p> <p>Two InterLocks</p>
17		Internal	Pin 16, 17, 18 used for InterLock control

## OUTLINE DRAWING

Drawing# & Version:	DW- MFX-CTR-100-1-D-V01
TruFocus P/N:	MFX-CTR-100-1-D-V01
Unit:	Inch



VIEW A-A  
SCALE 2x



# Caution

## X-Ray Radiation



1. X-Ray radiation is harmful to the human body. It is necessary to take all safety precautions when operating this device.
2. 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.
3. It is the customer's responsibility to provide shielding for the use of this device.

## Warranty Information

This x-ray tube is warranted to be free of defects in materials and workmanship for a period of 365 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, adjustments of the electronics, or failure to use the tube within the specifications or operating instructions provided by TruFocus, or the lack of proper routine maintenance and care of the tube or system in which it is installed are expressly denied coverage under this warranty.

Subject to local and technical requirements and regulations. Availability of product in this promotional material may vary. Please consult with our office staff for availability.

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