



The **Empower CT** Injector System is an advanced injection system used for the vascular (IV) administration of contrast media, in conjunction with diagnostic CT (“CAT”) scanning. The EZEM display and controls are integrated into a separate swivel mounted pod, unlike all other injector systems, which means that no matter how the injector head is positioned, the display and controls are always readily visible and close at hand. Injector head is free of controls and can be pivoted 180 degrees.

Because of the large illuminated indicator, the clinician is able to view it regardless of orientation of the injector head. The unit is smaller and its appearance is less intimidating. Cuts down diagnosis time because the technician is not running in and out of the room.



Specifications

Injector

Height: including floor stand 39.75 in

Width: including floor stand 26.5 in

Weight: 18 lbs

Voltage Rating: 100-240 V~, 150VA, 50/60 Hz, with external switching power supply that auto-seeks to applied voltage.

Wattage: 150 Watts, maximum

Remote Control Computer

Height: including mounting 16 in

Depth: 7 in

width of Monitor: 15.25 in

Weight: 10 lbs

Screen width: 15 in

Screen height: 11.5 in

Screen Resolution: 1024 x 768

Voltage Rating: 100-240 V~, 150 VA, 50/60 Hz, with external switching power supply that auto-seeks to applied voltage

Wattage: 65 watts, Maximum

Device Ports: keyboard & mouse

I/O Ports: USB, Serial, Ethernet, Parallel

Media: Internal Hdd

Volume

Range: 1 to 200 ml in user-specified increments of 1 ml

Accuracy: +/- 2% of Programmed Volume + 1ml

Pressure

Range: 40 to 300 psi in user-specified increments of 1 psi

Accuracy

+/- 10% of programmed pressure limit + 10 psi, under conditions of stable pressure-limiting control.

+/- 10% of programmed pressure limit + 75 psi for no more than 3 seconds, for transient pressure deviations resulting from hard occlusions or abrupt phase transitions.

Flow Rate

Range: 0.1 to 10.0 ml/sec in user-specified increments of 0.1 ml/sec. When accelerating or decelerating between two flow rates that are different by more than 2.5 ml/sec (with a stopped condition treated as 0 ml/sec), flow rate will uniformly change under program control to its new rate within three seconds.

Accuracy: +/- 5% of programmed rate + 0.1 ml/sec, under conditions of stable flow rate control for at least 3 seconds. +5% of programmed rate + 0.1 ml/sec, maximum instantaneous flow rate.