

**DIGITAL TORQUE CONTROLLER MODEL DTA-15**  
 (CURRENT BASED)

The electric Digital torque controller are of two types depending upon the principal on which the torque is measured. There are two types of torque controllers viz: **Current based** and **Wattage based**. Though Current Based are still widely used we always recommend **Wattage based** controllers as they are more

Uniform tube expansion can be achieved if the expansion drive deliver equal torque to each tube having all other parameters identical, like tube OD, tube thickness and expansion length. This can be achieved through an WATAGE BASED torque controller.

In case of current based torque controller the required torque can be proportional to the set current only if the supply voltage and RPM of the expansion drive remain constant. But practically in the most of the places like shop floor, erection sites, remote areas there could fluctuation up to 20 to 25%. This directly affects the expansion result, as the drive can trip at set current which in this case is either 25% higher or 25 % lower than the actual current. Hence the tube can be over or under expanded resulting in leakage or premature wear out of the tubes.

DBX torque controller is a microcontroller based digital torque controller built up with advance state of art technology. Use of advance microcontroller makes the controller more accurate and user friendly



**Features :**

- Fully solid state with Digital Display. No Moving parts like relay or contactors, So less wear and tear and long life.
- Working satisfactory in market since last 10 years with very successful market report.
- Superior SCR technology used over Triacs for controlling the high voltage drives.
- Rugged and sturdy construction for harsh on site condition.
- All operation indicated with the glow of LED indicators.
- Separate Emergency REVERSE switch provided.

Model	Voltage	Max Amps	Expansion Drive Suitable	Weight
DTA - 15	110	20	EDB0, EDB1, EDR-2, EDR-3	8
DTA - 15	230	10	EDB0, EDB1, EDR-2, EDR-3	7