



Prime Digital Torque Controller produced Torque by Electric Tube Expansion Drive Unit is governed by a separate Digital Control Panel which is adjusted by a simple Digital Display. When the Electrically Driven Motors reaches the desired Torque, the Control Unit Mechanism automatically shuts off the Power and on pressing the Reverse Button the Tube Expander retracts out from the Tube. The Fully Automatic system ensures the Tubes are rolled to maximum tightness without including excessive cold worked stress in Tube Metal. Injuring Tube ends or distorting Tube Sheet Ligaments.

Features:

- Prime Digital Torque Controller is compact, light weight, durable solid state based unit.
- It is designed to provide accurate ampere/torque control for electric Tube expansion drives.
- Fully solid state design – no moving part – no wear and tear parts- no noise – consequently long life.
- Drive selector knob provided on panel to set maximum torque range for various drives. Trip time adjustable from 01 to 10sec
- Adjustable reverse time from 01 to 30sec
- Pause time (time interval between cycles) adjustable from 01 to 30sec.
- Manual reverse push button provided on panel to reverse the drive in case of emergency.
- Hand (trigger) mode or foot switch mode available.
- Auto cycle is provided for repeat operation without operating the trigger.

Model No	Supply Voltage Volts	Phase	Maximum Current AMPS	Control Panel Suitable for Electric Drives
.PDTS – 23010	230	SINGLE	10	PTED-0;PTED-1; PTED-2;PTD-3
PDTS – 23010	110	SINGLE	10	PTED-0;PTED-1; PTED-2;PTD-3



PTED - 0



PTED - 1



PTED - 2



PTED - 3

ELECTRIC EXPANSION DRIVE

Supply Voltage Single Phase 50/60 Hz	Drive Model	Speed I / II	No Load R.P.M.	Expansion Rang				FULL LOAD TORQUE KGM	DRIVE WEIGHT KGS
				Steel Tube. O.D.		Copper Tube .O.D			
				Inch	mm	Inch	mm		
230 V	PTED-0		2200	1/2" - 3/8"	6-10	1/4" - 1/2"	6-12	0.36	2
	PTED-1	I	1000	3/8" - 5/8"	10-16	3/8" - 3/4"	13-20	0.46	2.5
		II	1900	5/16" - 3/8"	8-13	5/16" - 1/2"	8-18		
		PTED-2		460	5/8" - 1-1/8"	16-28	3/4" - 1-3/8"	19-34	1.26
	PTED - 3		380	1" - 1-3/4"	25-46	1-1/2" - 2-1/2"	38 - 65	3.0	12.0