

TES-MINI 2

ELECTRIC ROLL CONTROLLER



The **TES-Mini 2** is a semi automatic torque controller for the precise expansion of ferrous, non-ferrous and alloy tubing. It is ideal for Condenser/Chillers, Heat Exchangers and Boilers. It's one of our most popular tools because of its accuracy, speed and ease of use. The second generation of TES-Mini has been designed with direct input from our customers and utilizes the latest electronic components. As a direct result of these new technologies, gains in precision and energy efficiency have been realized from an already accurate system ($\pm 1\%$). The redesigned control panel is simpler to navigate and incorporates a built in card reader for detailed work reports.



TES-Mini 2 in conjunction with one of our tube rolling motors will improve productivity and safety, while delivering unmatched performance and durability.

Main TES Mini 2 features

- Microprocessor controlled tube expansion;
- Consistent torque control over 1 or 10,000 expansions;
- Controls torque during long series of tube expanding;
- Programmable torque shut-off value and high/low torque limits;
- Reverse button for retracting expanders from the tubes;
- Programmable timers for; cycle start, reverse pause, end of cycle, and a suppression timer for low torque value settings;
- CE Certified design.

TES Mini 2 functions

- Speed adjustment or limit (depends on motor type)
- Torque adjustment
- Suppression time adjustments
- Pause time adjustments
- Softstart delay
- Report generation (up to 9999 cycles)
- Works with 110 V and 230 V

TES Mini 2 Motors

* Tube Capacity depends on material and technical condition of tube

| MOTOR | VOLTAGE | WEIGHT | | MOTOR POWER | FREE SPEED | MAX RPM | TORQUE | | | | TUBE CAPACITY* | | |
|-----------|---------|--------|-------|-------------|------------|---------|------------|-------|----------|-------|----------------|-------|-----|
| | | | | | | | [NM] | | [FT-LBS] | | [INCHES] | | |
| | | [KG] | [LBS] | | | | UNDER LOAD | MIN | MAX | MIN | MAX | MIN | MAX |
| HT-0 | 230V | 1,2 | 2,4 | 460 W | 2300 | 1700 | 0,7 | 10,0 | 0,5 | 7,4 | 1/4 | 1/2 | |
| | 110V | | | 230 W | 1150 | 850 | 0,3 | 5,0 | 0,2 | 3,5 | 1/5 | 3/8 | |
| MS-2 | 230V | 3,2 | 7,1 | 1150 W | 650 | 430 | 8,3 | 40,0 | 6,3 | 29,5 | 5/8 | 1 1/8 | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 110V | | | 575 W | 325 | 215 | 4,1 | 20,0 | 3,1 | 14,7 | 3/8 | 3/4 | |
| | | | | | 600 | 380 | 2,7 | 12,5 | 2,0 | 14,2 | | | |
| DU-0 | 230V | 2,0 | 4,4 | 650 W | 628 | 450 | 3,0 | 42,0 | 2,2 | 30,5 | 5/8 | 1 | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 110V | | | 325 W | 314 | 225 | 1,5 | 21,0 | 1,1 | 15,7 | 3/8 | 1/2 | |
| | | | | | 1050 | 775 | | | | | | | |
| DU-1 | 230V | 8,6 | 17,6 | 2000 W | 150 | 120 | 12,0 | 250,0 | 8,8 | 185,0 | 3/4 | 2 | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 110V | | | 1000 W | 75 | 60 | 6,0 | 125,0 | 4,4 | 92,5 | 3/8 | 1 | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | 125 | 110 | | | | | | | |
| | | | | | 222 | 190 | | | | | | | |
| | | | | | 360 | 325 | | | | | | | |
| K90-E-280 | 230V | 10,0 | 22,0 | 1150 W | 274 | 250 | 40,0 | 190,0 | 29,5 | 140,1 | 1 1/4 | 2 1/2 | |
| | 110V | | | 575 W | 137 | 125 | 20,0 | 95,0 | 14,7 | 70,0 | 5/8 | 1 1/4 | |
| K90-E-190 | 230V | 10,0 | 22,0 | 1150 W | 142 | 129 | 50,0 | 260,0 | 36,8 | 191,8 | 1 1/2 | 3 | |
| | 110V | | | 575 W | 71 | 65 | 25,0 | 130,0 | 18,4 | 95,9 | 7/8 | 1 1/2 | |
| K90-E-90 | 230V | 10,0 | 22,0 | 1150 W | 90 | 81 | 70,0 | 510,0 | 51,6 | 376,2 | 2 | 5 | |
| | 110V | | | 575 W | 45 | 40 | 35,0 | 255,0 | 25,8 | 188,1 | 1 | 2 1/2 | |



HT-0



MS-2



DU-0



DU-1



K90-E-90 / 190 / 280