

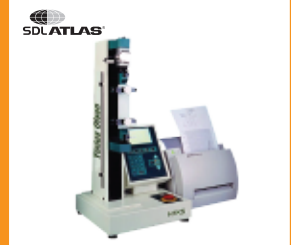
H1-5KT/S

Single Column Universal Testing Machines

The single column materials testing machines have frame capacities of 1kN or 5kN (200 lbf or 1,000 lbf) and include two model types, namely the S series and the T series. These machines are designed to test a wide range of materials in tension, compression, flexure, shear and peel. The S and T series use rapid change Z beam loadcells that allow for simple and quick 'sizing' of the machine to an appropriate capacity for the test. These loadcells have an accuracy of 0.5% of the applied load value, from 2% to 100% of the loadcell capacity. The S and T series have a huge assortment of specimen grips and fixtures available, allowing the selection of an ideal grip for your application.

- Load measurement accuracy is +/- 0.5% of applied load from 2% to 100% capacity.
- Extended range down to 1% capacity with accuracy of +/- 1% of indicated load.
- Position measurement accuracy is 0.01% of reading or 0.001mm, whichever is greater.
- Speed accuracy is 0.005% of set speed.
- Operating temperature range is 32 to 100 degrees F (0 to 38 degrees C).
- Storage temperature range is 14 to 115 degrees F (-10 to 45 degrees C).
- Humidity range is 10% to 90% non-condensing, web bulb method.
- Standard optional voltages 220/240VAC, 50-60 Hz, 2000W.
- Power must be free of spikes and surges exceeding 10% of the nominal voltage.
- PC control via high speed RS232 using ASCII mode and super high speed binary mode.
- 32 bit precision motor controller.
- Force accuracy of 0.5% of applied load across the loadcell display range.
- Machines are proof loaded to 200% of capacity.
- Displacement resolution of 0.0001mm (T series in binary mode).
- Built-in intelligent active force and displacement alarm system.
- 150% mechanical overload capacity on each loadcell.
- 20% digital load tare while maintaining full load cell capacity.
- Automatic motor drive alarms that monitor over/under voltage, current and temperature.

| Specifications | H1K | H5K |
|-----------------|----------------------------|-----------------------------|
| Weight | 25 kg | 50 kg |
| Dimensions | 820 x 360 x 360 mm (WxDxH) | 1140 x 490 x 450 mm (WxDxH) |
| Tank Dimensions | AATCC 114/92/114 | AATCC 114/92/114 |



H1KS



H1KT



H5KS



H5KT