

WEST·BOND. INC.



70PTC SERIES

WIRE PULL TESTER

Continuing a Tradition of Quality

70PTC – Manual Wire Pull Test Machine



Series 7000C Pull Testers provide an exceptionally convenient means to place a hook under the arch of a bonded wire and then lower the wire under microprocessor control to measure tensile strength, either destructively or non-destructively. Embodied in this series is West-Bond's new three-axis mechanical-advantage manipulator, which is independently guided along each axis, and so is able to transmit motion and force from control to tool undisturbed by loading forces from any other direction.

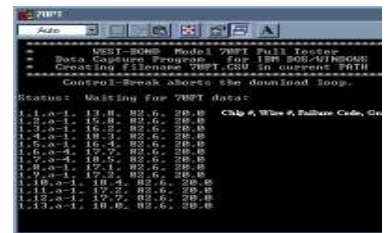
EXCEPTIONALLY convenient means of testing the tensile strength of fine wire bonds. Reach wires in any quadrant on packages of unlimited size with a rotatable micro-hook, and test in either destruct or non-destruct modes with motorized, microprocessor controlled precision through a range of 100 grams.



PROGRAMMING a device, the users can select the speed, drop of the work and data output options. Program values, action prompts, and fault codes are exhibited on the easy to read 4 lines, 40 characters LCD sequentially with machine operation. Pull Test data has a resolution of 0.1 grams with an accuracy of +/- 0.2 grams.



FEATURES include programmable speed, default error codes, pneumatic braking of Z and Y-axes during testing and mechanical down stop to keep hook from damaging delicate surfaces. Direct output to a computer via RS-232 interface with capture software. A-1 Feature converts the machine to a peel tester with wire engagement tweezers.



STANDARD SPECIFICATIONS

CONTROL LOGIC: Motorola 68000 Microprocessor
MEMORY: Battery back-up RAM
DATA ENTRY: Selector switch
Z TOOL RANGE: 0.5625 inch
Z ENCODER RESOLUTION: 0.002 inch
TEST FORCE RANGE: up to 100 grams
TEST RANGE: 0.125" Depth, 360° Rotation
RESOLUTION: 0.1 gram; **ACCURACY:** +/- 0.2 grams

ESD PROTECTION: Protection against Electrostatic Discharge
DISPLAY: 4 line, 40 character LCD
MICROMANIPULATOR: Dual counterbalanced, single lever, 8:1 ratio
COMPUTER INTERFACE: RS-232 Windows compatible (optional)
MICROSCOPE: Selection available (ESD types available)
ILLUMINATOR: Selection available (ESD types available)
WORK HOLDERS: Wide selection plus custom fabrication services
DIMENSION: W=22.0" x D=19.0" x H=12.0"
WEIGHT: 60 lbs uncreated, or 110 lbs accessorized and created

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