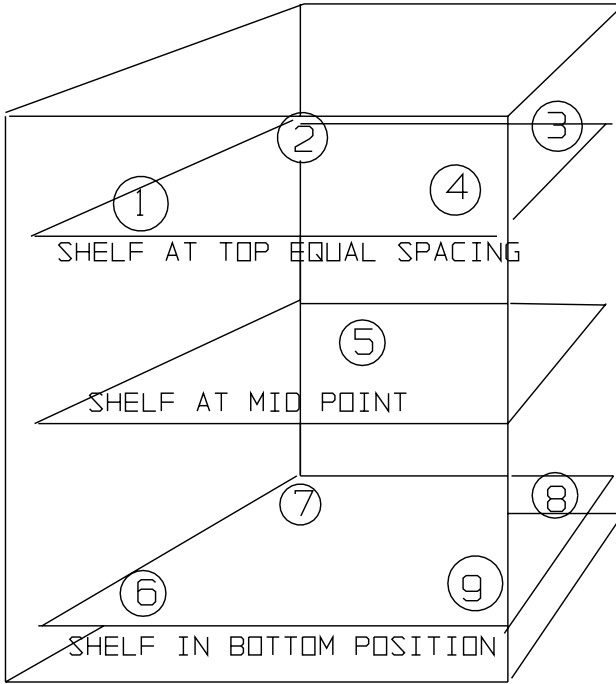


DESCRIPTION: PLACEMENT OF THERMOCOUPLES IN OVENS AND INCUBATORS FOR PERFORMANCE TESTING. TEST IS BASED ON ASTM E 145-68 AND ASTM 1292-94 BUT DOES NOT NECESSARILY COMPLY WITH ALL METHODS OR DETERMINATIONS.

THERMOCOUPLES: I/C TYPE J, 20 GA TEFLON/TEFLON - ALL WIRES TO BE FROM SAME ROLL AND WITHIN +/- 2" IN LENGTH OF ONEANOTHER.



MODEL WITH (3) SHELVES SHOWN

OTHER MODELS MAY HAVE MORE OR LESS SHELVES.

TEST CHAMBER

- A. PLACE ONE SHELF IN THE LOWEST USABLE POSITION (AS RELATING TO SHELF SUPPORTS) SPACE THE REMAINING SHELVES EVENLY APART IN AN UPWARDS DIRECTION.
- B. IF ACCESS OR EXHAUST/INLET PORTS ARE AVAILABLE, USE THESE OPENINGS TO RUN THE THERMOCOUPLES INTO THE CHAMBER. IF NO OPENINGS ARE AVAILABLE THE TERMOCOUPLES WILL HAVE TO BE RUN SO THE DOOR GASKET CLOSES ON THEM AND TRAPS THEM IN PLACE.
- C. ROUTE THERMOCOUPLES (1,2,3,4, ETC.) AS SHOWN. THERMOCOUPLE 5 GOES IN THE APPROXIMATE GEOMETRIC CENTER OF THE CHAMBER. PROBES 1,2,3,AND 4 GO ON THE TOP SHELF AND PROBES 6,7,8, AND 9 GO ON THE BOTTOM SHELF.
- D. PROBE 10 IS PLACED EXTERNALLY AWAY FROM THE UNIT TO MEASURE THE AMBIENT TEMPERATURE. (THIS PROBE CAN BE USED TO MEASURE OTHER FUNCTIONS)
- E. FOR TEMPERATURES 100C AND LESS USE WIRE TIES OR STICK-ONS. FOR TEMPERATURES ABOVE 100C, WIRES WILL HAVE TO BE CAREFULLY WRAPPED THROUGH HOLES, SLOTS OR RUNGS AT THE PROPER LOCATION.
- F. THERMOCOUPLES ON THE TOP AND BOTTOM SHELVES ARE PLACED 1" ABOVE THE SHELF AND 15% OF TH WIDTH FROM THE SIDE WALLS AND 15% OF THE DEPTH FROM THE REAR AND FRONT WALLS. VALUES ARE APPROXIMATE.

DOCUMENT 9920500

REVISIONS	REV NO.	CHANGES MADE	DATE DONE	APPROVALS			
				ENG	MFG	MAT	QA

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