



ASSOCIATION CONNECTING
ELECTRONICS INDUSTRIES®

2215 Sanders Road
Northbrook, IL 60062-6135

IPC-TM-650 TEST METHODS MANUAL

Three main elements must be considered in planning how to obtain test data at room ambient conditions. These are:

1. The set-up for supporting and operating the test equipment.
2. The instrumentation for measuring the data from the tests.
3. The instrumentation for measuring and recording room conditions at the time of the test.

This last factor is important when comparing test data obtained at different times or facilities. In most cases, this step consists of simply recording the barometric pressure, relative humidity and temperature at the time of the test. If other conditions are found to have a significant impact on the test data these conditions should be recorded as well.

Number 1.3	
Subject Ambient Conditions	
Date 01/03	Revision A
Originating Task Group N/A	

Unless otherwise specified in the applicable test method, individual standard or specification, all laboratory ambient tests shall be made under the following conditions:

1. Temperature: 15 °C to 35 °C [59 °F to 95 °F]
2. Relative Humidity: 35 % to 75 %

Whenever these conditions must be closely controlled to obtain reproducible results or for referee purposes, tests shall be conducted under the following conditions:

1. Temperature: 22 °C ± 3 °C [72° F ± 5 °F]
2. Relative Humidity: 50 % ± 10 %