

Digital Multi Meter

Aim of the Program

This program aims to assess laboratories' ability to competently perform the prescribed measurements and analyses; and to provide participants with external quality assurance to enhance accuracy and reliability.

Application of the Program to Accreditation

Participation in this proficiency testing program satisfies the requirements of ISO/IEC 17025:2017 – General Requirements for the Competence of Testing and Calibration. Laboratories for monitoring performance by comparing results with other laboratories.

Program Details

The Digital Multi Meter program is an annual program, running continuously for 6 months as a round robin.

Test Item – Keysight 34465A Digital Multimeter (6 ½ digit).

Tests – DC Voltage (0.1 ~ 1000 V), AC Voltage (0.1 ~ 750 V), DC Current (0.01 ~ 3 A), AC Current (1 ~ 3 A), and Resistance (100 Ohm ~ 10 Meg Ohm).

Statistical Analysis:

A measurement comparison design using E_n numbers is utilised to assess performance.

Reporting:

At the conclusion of each round, each participant receives a confidential individual summary sheet, detailing its performance in the program, and a final program report summarising all participant data.

Confidentiality

Each participant is assigned a unique code number, keeping all results anonymous in all PTA reports and publications.

Fees and Further Information

For information on program fees or other enquiries, please contact PTA directly:

Email: ptaenquiry@pta.asn.au