

TIS 166-2549

Gauges for Plugs and Socket-Outlets

Precision Mechanical Gauge Set for Thai Standard Testing



APPLICABLE STANDARD

TIS 166-2549 (2006)

PRODUCT TYPE

Precision mechanical gauge set

GAUGE COVERAGE

Figure A.1 to Figure A.10

CORE APPLICATION

Plugs & socket-outlets up to 250 V

TIS 166-2549 Gauges for Plugs and Socket-Outlets are precision mechanical gauges used to support dimensional, contact, insertion-safety and withdrawal-force related checks for household and similar plug and socket-outlet products according to the Thai Industrial Standard.

Designed for manufacturers, electrical safety laboratories, certification preparation teams and quality-control departments.

Product Overview

The gauge set is intended for TIS 166-2549 (2006) compliance preparation and routine dimensional verification of plugs, fixed socket-outlets and portable socket-outlets for household and similar purposes. It supports repeatable mechanical checking without powered electrical operation.

Key Product Features

- 1 Designed for TIS 166-2549 (2006) plug and socket-outlet testing
- 2 Gauge set covers figure items A.1 through A.10
- 3 Supports dimensional fit and contact verification
- 4 Supports single-pole insertion prevention and contact-sequence checks
- 5 Supports withdrawal-force related evaluation within the standard method
- 6 Full sets or selected gauge figures can be supplied

Complete Gauge Set



STANDARD
TIS 166-2549

SCOPE
<= 250 V

TYPE
Mechanical

Product Views



Complete gauge set view



Detailed gauge configuration



Alternative product arrangement

Technical & Application Specifications

Parameter	Specification
Product name	TIS 166-2549 Gauges for Plugs and Socket-Outlets
Applicable standard	Thai Industrial Standard TIS 166-2549 (2006)
Product type	Precision mechanical test gauge set
Gauge coverage	Figure A.1 to Figure A.10
Product scope	Household and similar plugs, fixed socket-outlets and portable socket-outlets
Rated voltage scope	Products with rated voltage not exceeding 250 V
Primary test support	Dimensional fit, contact verification, insertion-safety and withdrawal-force related checks
Power requirement	None - mechanical gauges
Typical users	Manufacturers, safety laboratories, certification teams and QC departments
Ordering options	Complete set or selected gauge figures
Dimensions / tolerances	Confirm against official TIS 166-2549 drawings and final factory datasheet before order

Supported Verification Areas

Dimensional fit

Checks whether plug and socket-outlet geometry is within the required mechanical interface conditions.

Contact verification

Supports checking of required contact engagement and related mechanical conditions.

Single-pole insertion prevention

Supports verification that unsafe single-pole insertion conditions are prevented.

Correct contact sequence

Supports verification of contact sequence conditions defined by the standard method.

Withdrawal-force related evaluation

Gauge items can be used as part of withdrawal-force related testing arrangements.

Flexible ordering

Customers may specify a full A.1-A.10 set or only the required gauge figures.

Important: Detailed gauge dimensions, material requirements and tolerances should be confirmed against the official TIS 166-2549 drawings and the final factory datasheet before production or purchase.

Application and Selection Guide

01

Confirm Standard & Figures

Confirm TIS 166-2549 (2006) and identify whether the full Figure A.1-A.10 set or selected gauge items are required.

02

Confirm Product Scope

Provide plug or socket-outlet type, fixed or portable configuration, and sample rated voltage/current information.

03

Confirm Documentation

State any calibration, traceability, inspection record, packaging or delivery documentation requirements before order.

Information Required for Quotation

- Applicable standard and edition: TIS 166-2549 (2006)
- Required gauge figures: full A.1-A.10 set or selected items
- Plug / socket-outlet type and intended test application
- Sample rated voltage and current
- Documentation, calibration or traceability requirement
- Quantity, packaging and target delivery schedule

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PRODUCT PAGE QR CODE

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