| Product name: | Product code: |
| --- | --- |
| Plug and Socket Insertion Force Durability Test Machine | CMI-IND-0438 |

## Description

Motor-driven machine that inserts and withdraws plugs from sockets for thousands of cycles while an inline sensor records insertion and extraction force. Used by plug, switch and connector manufacturers for life tests.

## Technical specification

- Plug fixtures
- Gauge pins
- Spare sensor

A plug is repeatedly inserted into a socket by a motor-driven slide while an inline force sensor records insertion and withdrawal loads. Cycle counts to 5000 simulate lifetime use.

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**Features**

- Servo motor driven reciprocating slide
- Force sensor up to 200 N
- Cycle counter with preset
- Fixtures for 2 and 3 pin plugs
- Automatic stop on out of limit force

**Technical Specifications**

| | |
|---|---|
| Stroke | 0 to 100 mm |
| Force range | 0 to 200 N |
| Cycle speed | 10 to 20 cycles/min |
| Cycles | Preset to 99,999 |
| Force accuracy | +/- 1 percent |
| Control | PLC with touchscreen |
| Standards | IEC 60884-1, IS 1293, BS 1363 |
| Power | 230 V AC, 50 Hz |

**Standard Accessories**