TECHNICAL DATA

# Fluke Journeyman Diagnostic Kit



## Key features

- AC/DC voltage measurement up to 1000V
- AC/DC current measurement up to 10A
- AC current measurements with 302+ up to 400 A, handling your everyday electrical maintenance needs
- Comes with the TL75 Hard Point™ Test Lead Set offering the convenience of a test lead and probe in one unit with a variety of connections
- Rugged, easy-to-use with CAT III 600 V safety rating

## Product overview: Fluke Journeyman Diagnostic Kit

### High accuracy electrical for complete system evaluation

As you advance into system design, commissioning, and HVAC-adjacent work, decisions depend on high-range electrical and temperature data, three signals together (V, A, °C) that reveal true system health.

### Real world applications

- **High accuracy AC/DC analysis:** measure voltage/current up to 1000 V / 10 A, plus resistance, frequency, and capacitance on the 17B+, and use Relative to zero a baseline for voltage and temperature comparisons.
- **Advanced load evaluation:** check running current, phase balance, and overload conditions with the 302+ (to 400 A AC, 1.8% accuracy, 30 mm jaw).

- **Thermal diagnostics:** assess temperature rise on motors, HVAC components, supply and return air and line sets using the K-type thermocouple included with the 17B+.
- **Commissioning and verification:** diagnose drives require TRMS, relays, control boards, power supplies, and electronic components using the 17B+'s expanded functions.
- **Integrated electrical + thermal troubleshooting:** combine voltage, current, and temperature to pinpoint imbalance, overheating, or abnormal demand.

## Specifications: Fluke Journeyman Diagnostic Kit

| | Student Essential Kit | Student Troubleshooting Kit | Apprentice Diagnostic Kit | Apprentice Dual-Meter Kit | Journeyman Diagnostic Kit |
|---|---|---|---|---|---|
| Included Tools | • 1AC II<br>• ST120+ | • 1AC II<br>• ST120+<br>• 302+<br>• 302+ | • 1AC II<br>• ST120+<br>• 106<br>• TL75 | • 1AC II<br>• 302+<br>• 106<br>• TL75 (2X) | • 302+<br>• 17B+<br>• TL75 (2X)<br>• K-Type Thermocouple |
| Part Number | 6153363 | 6153407 | 6153392 | 6153385 | 6153371 |

| | 1AC II | ST120+ | 302+ | 106 | 17B+ |
|---|---|---|---|---|---|
| CAT Safety Rating | CAT IV 1000 V | CAT III 300 V | CAT III 600 V | CAT III 600 V | CAT III 600 V |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 years |
| Voltage AC | Detection 90 - 1000 V | Operating 110 - 125 V AC | 600 V | 600 V | 1000 V |
| Voltage DC | — | — | 600 V | 600 V | 1000 V |
| Current AC | — | — | 400 A | 10 A | 10 A |
| Current DC | — | — | — | 10 A | 10 A |
| Continuity | — | — | • | • | • |
| Resistance | — | — | 4000Ω | 40 MΩ | 40 MΩ |
| Capacitance | — | — | — | 1000 µF | 1000 µF |
| Temperature | — | — | — | — | max 400°C |

# Ordering information




**17B+/302+/EIC**

Fluke Journeyman Diagnostic Kit

Part#: 6153371
UPC#: 195112170922

- 302+ CAT III Digital Clamp Meter
- 17B+ Digital Multimeter
- TL75 Hard Point™ Test Lead Set (2X)
- K-Type Thermocouple

**Fluke**. *Keeping your world up and running.®*

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