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 • ST120+	• 1AC II • ST120+ • 302+ • 302+	• 1AC II • ST120+ • 106 • TL75	• 1AC II • 302+ • 106 • TL75 (2X)	• 302+ • 17B+ • TL75 (2X) • 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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10/2026

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