

# testo 770

## Hook-Clamp DMM with TRMS Inrush, available 600 A<sup>+</sup> / Temp<sup>+</sup> / Watts and Power factor<sup>+</sup> / Bluetooth<sup>+</sup>



- Watts / PF
- A
- μA
- V
- °F/°C
- Ω / μF
- Hz

Unique hook-on function separates and grabs wires without using your hands

Retractable post makes hook release fast and easy

Meter automatically identifies testing in-process and selects correct meter configuration to save time and optimize accuracy

Real-time power measurement (Watts) with simultaneous power factor indication (770-3 only)

Standard features

- Inrush (starting) current capture • APO (Auto Power Off)
- Min/Max/Hold

Additional features (770-2/-3 only)

- μA for flame rod • Type-K thermocouple • High capacitance • Frequency measurement

The testo 770 Hook-clamp Digital Multimeter (DMM) is ideally suited for electrical work in HVAC applications. Testo's unique hooking clamp can be used to separate then grab wires. The easy hook-off retractable post releases the wires when testing is complete. You can safely work in tight spaces without using your hands. The 770 series identifies the testing in-process and automatically selects the correct meter configuration which saves you time and increases your accuracy.

The 770 series of instruments are rich in the features HVAC techs need and want including TRMS, starting current, and

frequency measurement. The 770-2, which includes μA can also measure temperature using an optional thermocouple adapter. The 770-3 additionally includes real-time power measurements (Watts), Power Factor, and Bluetooth. The Testo App can be used for remote viewing, monitoring trending over time, and creating reports. The powerful app allows you to create custom reports that include photos, data, and graphs that can be saved or sent via email.

Testo's history of efficiency, innovation, and quality now extends into the entire electrical lineup. Once again, Testo brings high value, feature-packed products to the HVAC contractor market.

\* included on: testo 770-2  
+ included on: testo 770-3

## Technical data/accessories

### testo 770-1

Hook-Clamp DMM 400 A with TRMS and Inrush includes batteries and 1 set of measuring cables

Order no. 0590 7701



### testo 770-2

Hook-Clamp DMM 400 A with TRMS, Inrush, and temperature measurement includes batteries, 1 set of measuring cables, and adapter for type K thermocouples

Order no. 0590 7702



### testo 770-3

Hook-Clamp DMM 600 A with TRMS, Inrush, and temperature and power measurement, and Bluetooth includes batteries and 1 set of measuring cables

Order no. 0590 7703



| Technical Data        | testo 770-1        | testo 770-2                           | testo 770-3 |
|-----------------------|--------------------|---------------------------------------|-------------|
| True RMS              |                    | ✓                                     |             |
| Basic accuracy        |                    | 0.8 %                                 |             |
| AC/DC voltage         | 1 mV to 600 V      | 0.1 mV to 600 V                       |             |
| AC/DC current         | 0.1 to 400 A AC/DC | 0.1 to 600 A                          |             |
| Watts / Power factor  | -                  | 100KW / 0.1 to 1.0                    |             |
| µA current range      | 0.1 to 400 µA      | 0.1 to 600 µA                         |             |
| Resistance            | 0.1 Ω to 40 MΩ     | 0.1 Ω to 60 MΩ                        |             |
| Capacitance           | 0.001 µF to 100 µF | 0.001 to 60,000 µF                    |             |
| inrush                |                    | ✓                                     |             |
| Bluetooth / App       | -                  | 65 ft. free field                     |             |
| Display (counts)      | 4,000              | 6,000                                 |             |
| Temperature           | -                  | -4 to 932 ° F (-20 to +500 °C)        |             |
| Frequency             |                    | 1 Hz to 10 kHz                        |             |
| Continuity            |                    | < 30Ω                                 |             |
| Diode test            |                    | 2.5V                                  |             |
| Hold / Min / Max      |                    | ✓                                     |             |
| Safety category       |                    | CAT IV 600V                           |             |
| Safety certification  |                    | TÜV, CSA, CE                          |             |
| Operating temperature |                    | 32 to 122 °F (0 to +50 °C)            |             |
| Storage temperature   |                    | 5 to 140 °F (-10 to +60 °C)           |             |
| Dimensions            |                    | 9.5 x 3.8 x 1.7in. (243 x 96 x 43 mm) |             |
| Weight                |                    | 0.9 lb (450 g)                        |             |
| Warranty              |                    | 2 years                               |             |
| Standards             |                    | EN 61010-1, IEC 61376                 |             |
| Batteries             |                    | 3 x AAA                               |             |

d.p.v1

Subject to change, including technical modifications, without notice.

### Accessories

### Order no.

|  |           |
|--|-----------|
| Type K thermocouple plus adapter (for testo 770-2/-3 only) | 0590 0021 |
| Set of safety alligator clips                              | 0590 0008 |
| Set of standard alligator clips                            | 0590 0009 |
| Standard 4 ft pin tip leads (with right angle plug)        | 0590 0011 |
| Standard 4 ft pin tip leads (with straight plug)           | 0590 0012 |
| Standard 6 ft pin tip leads (with right angle plug)        | 0590 0013 |
| Standard 6 ft pin tip leads (with straight plug)           | 0590 0014 |
| testo 755 / testo 770 carrying case                        | 0590 0017 |

### Testo Electrical App

The Testo **ElectricalApp** combines the power of your smart phone/tablet with the accurate measurements of your testo 770. The operation and display of the instruments are communicated via Bluetooth to the App on your smart phone or tablet. For Apple iOS and Android.

