

# Digital FlexProbe®

## Models 400D & 4000D

## Conquer Tight Spaces, Conquer Big Currents

*Introducing the Current Meter  
That Fits Anywhere!*

Tired of contorting yourself in cramped panels and electrical conductors? Our TRMS Digital FlexProbes® with built-in displays let you measure current effortlessly, even where access is difficult.

- **Access & Measure:** From 20 mA to 4000 A (model dependent), conquer tight spaces with 10- or 24-inch sensor lengths and resolution down to 1 mA.
- **Auto-Ranging & HOLD:** No more fiddling! Auto-ranging and HOLD features make readings a breeze.
- **Direct Reading & Compact Design:** See it all clearly on the built-in display, no matter the light. Our compact, simple-to-use design fits your hand and your workflow.
- **Flexible & True RMS:** The flexible current sensor tackles awkward conductors, while True RMS measurement ensures accuracy on distorted waveforms.
- **600 V CAT IV & IP40 Rated:** Work confidently with superior safety and weather resistance.

***This isn't just a current meter, it's your superpower for conquering tight spaces and big currents. Experience the difference!***

*Our products are backed by over 130 years of experience in test and measurement equipment, and encompass the latest international standards for quality and safety.*



# TRMS Digital Ammeters with Flexible Sensor

The Digital FlexProbe® series is your secret weapon for tackling any current measurement challenge, from delicate 20 mA circuits to roaring 4000 A monsters. Say goodbye to cramped panels and hello to precision readings, no matter how tight the squeeze.

## Two models, endless possibilities

**Model 400D:** Your go-to hero for residential, commercial, and light industrial jobs. Choose between a flexible 10- or 24-inch sensor and conquer currents from 20 mA to a hefty 400 A.

**Model 4000D:** When the big leagues call, this champion steps up. Its 14- or 24-inch sensor is capable of measuring current on parallel feeder conductors, and tackles high-powered industrial and utility installations, measuring currents up to a 4000 A.

## Simple yet built-in brilliance

Don't let the power fool you. The Digital FlexProbe® series is surprisingly user-friendly. Just two buttons control everything: start, power-off, HOLD, and max hold. Plus, the clear 4000-count display keeps your readings front and center.

## Ergonomic comfort, even in gloves

We know your hands are your livelihood. That's why the FlexProbe® is designed for comfortable use, even when you're sporting bulky gloves. Plus, the optional MultiFix mounting system lets you hang, clip, or magnetically attach it anywhere you need for hands-free convenience.



Built-in magnet on the MultiFix accessories provides easy mounting to metal surfaces



Simply hang on the edge of a table or door

| MODELS                  | 400D  |                   |                   | 4000D  |                   |                  |
|-------------------------|---|-------------------|-------------------|--|-------------------|------------------|
| <b>ELECTRICAL</b>       |   |                   |                   |  |                   |                  |
| Display Range           | 4 Aac   | 40 Aac            | 400 Aac           | 40 Aac   | 400 Aac           | 4000 Aac         |
| Measurement Range       | (0.020 to 3.999) A                                      | (4.00 to 39.99) A | (40.0 to 399.9) A | (0.1 to 39.99) A   | (40.0 to 399.9) A | (400 to 3999) A  |
| Resolution              | 1 mA  | 10 mA             | 100 mA            | 10 mA  | 100 mA            | 1 A              |
| Accuracy                | ±(2 % + 10 cts)   | ±(1.5 % + 2 cts)  | ±(1.5 % + 2 cts)  | ±(2 % + 10 cts)  | ±(1.5 % + 2 cts)  | ±(1.5 % + 2 cts) |
| Sensor Diameter         | 400D-10 : Ø 2.75 in (70 mm) / 400D-24 : Ø 8 in (190 mm) |                   |                   | 4000D-14 : Ø 3.94 in (100 mm) / 4000D-24 : Ø 8 in (190 mm) |                   |                  |
| Sensor Length           | 400D-10 : 10 in (250 mm) / 400D-24 : 24 in (610 mm)     |                   |                   | 4000D-14 : 14 in (350 mm) / 4000D-24 : 24 in (610 mm)      |                   |                  |
| Bandwidth               | 10 Hz to 3 kHz  |                   |                   |  |                   |                  |
| Display                 | 4000-count LCD  |                   |                   |  |                   |                  |
| <b>MECHANICAL</b>       |   |                   |                   |  |                   |                  |
| Power Supply            | 2 x 1.5 V AAA / LR3 batteries                           |                   |                   |  |                   |                  |
| Safety                  | IEC 61010, 600 V CAT IV                                 |                   |                   |  |                   |                  |
| Operating Temperature   | (32 to 122) °F (0 to 50) °C                             |                   |                   |  |                   |                  |
| Weight                  | Approx. 130 g   |                   |                   |  |                   |                  |
| Casing Dimensions       | (3.94 x 2.36 x 0.79) in (100 x 60 x 20) mm              |                   |                   |  |                   |                  |
| Connection Cable Length | 6 ft (1.8 m)  |                   |                   |  |                   |                  |

# TRMS Digital Ammeters with Flexible Sensor



**Conquer Every Current, Conquer Every Challenge. The Digital FlexProbe® Series is Your Key to Electrical Mastery.**

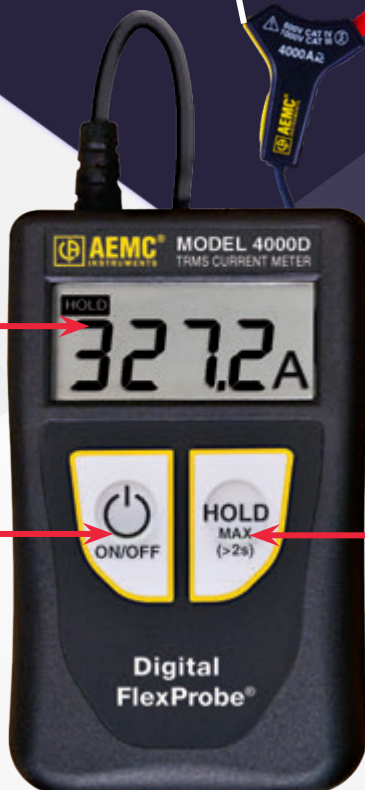
Flexible Current Sensor  
(maintains its curve)

Sensor opening lever

4000-count LCD display unit

ON / OFF button

HOLD button



## FEATURES

- Easy access and measurement, even in confined spaces where access is difficult
- Measurement from **20 mAac to 4000 A** (model dependent)
- Available with **(10, 14 or 24) inch sensor lengths**
- Resolution **down to 1 mA** (model dependent)
- **Auto-ranging**
- **HOLD feature**
- **Direct reading**
- Compact and simple to use
- **Flexible current sensor**
- **True RMS measurement**
- **600 V CAT IV safety rating**
- Sensor diameter **(1.77 to > 3.94) inch** (sensor dependent)

## PRODUCT INCLUDES

Digital FlexProbe®, (2) 1.5 V AAA batteries and user manual

## ACCESSORIES

**CAT. #5000.44** MultiFix (universal mounting system)

**CAT. #2118.65** Soft Carrying Case

**CAT. #2133.72** Small Classic Tool Bag



With the MultiFix multi-position articulating magnetic mounting accessory, you can position your Digital FlexProbe® anywhere, leaving both hands free.  
**CAT. #5000.44**



| CAT. #  | DESCRIPTION  |
|---------|--|
| 2153.31 | Digital FlexProbe® (MiniFlex®) Model 400D-10 w/ 6 ft Lead (TRMS, 4 AAC, 40 AAC, 400 AAC)     |
| 2153.36 | Digital FlexProbe® (MiniFlex®) Model 400D-24 w/ 6 ft Lead (TRMS, 4 AAC, 40 AAC, 400 AAC)     |
| 2153.32 | Digital FlexProbe® (MiniFlex®) Model 4000D-14 w/ 6 ft Lead (TRMS, 40 AAC, 400 AAC, 4000 AAC) |
| 2153.35 | Digital FlexProbe® (MiniFlex®) Model 4000D-24 w/ 6 ft Lead (TRMS, 40 AAC, 400 AAC, 4000 AAC) |

