

EUROPE'S LARGEST SELECTION OF TEST & MEASUREMENT EQUIPMENT FOR HIRE

**INLEC.COM**

# DATA-SHEET



Nationwide Low Call  
**0333 6000 600**

**WHY BUY**  
WHEN YOU CAN HIRE



# 187/189 Digital Multimeters

The smartest meters

True RMS



EN 61010-1  
CAT III 1000V  
CAT IV 600V

Lifetime  
Warranty!  
Keep your Fluke meter  
up and running

The 180 Series are the only choice for users who simply want the best meter available.

The two top models 187 and 189, with integrated holsters, are the smartest meters when it comes down to performance, features and more. Extremely fast readings, extended ranges, the highest bandwidth, accuracy and resolution are the basis for their performance. Features like a dual display with bargraph and backlight, True-RMS AC/AC+DC measurements and a PC interface make them suitable for the most demanding applications. In addition, the

189 has a readings memory for up to 100 readings and a unique stand-alone logging function to measure hard to find intermittent problems.

### Safety Conformance

All inputs are protected to EN61010-1 CAT III 1000V/CAT IV 600V, UL, CSA, VDE and TÜV listed.

**The Fluke 789 ProcessMeter™** combines the capabilities of a digital multimeter and a loop calibrator.



## Features

	187	189
True-RMS measurements	AC, AC+DC	AC, AC+DC
Bandwidth (voltage/current)	100kHz / 100kHz	100kHz / 100kHz
Digital display counts (default/selectable)	50000 / 5000	50000 / 5000
Multiple display with large digits and backlight, updates 4 times per second	●	●
Analog bargraph segments, updates 40 times per second	51-segments	51-segments
Min-Max-Average recording with relative time stamp	●	●
Fast Min-Max recording	250µsec	250µsec
Touch Hold® and Relative modes for reference and offset measurements	●	●
Temperature readings using optional K-type thermocouple and adapter	●	●
Audible continuity and diode test	●	●
Duty cycle and pulse width measurements	●	●
PC interface for data exchange and closed case calibration	●	●
Memory for storing up to 3 days of continues stand-alone logging		●
Readings memory (memory locations)		100
Easy battery and fuse exchange without opening the complete case	●	●
Ergonomic case with integrated protective holster	●	●

## Specifications (Check the Fluke web for detailed specifications)

Functions	Maximum	Max. resolution	187 and 189**
Voltage DC	1000V	1µV	±(0.025%+5)
Voltage AC	1000V	1µV	±(0.4%+40)
Current DC	10A	0.01µA	±(0.15%+2)
Current AC	10A	0.01µA	±(0.75%+5)
Resistance	500MΩ	0.01Ω	±(0.05%+2)
Conductance	50nS	0.01nS	±(1.0%+10)
Capacitance	50000µF	0.001nF	±(1.0%+5)
Frequency	1MHz	0.01Hz	±(0.005%+1)
Temperature	-200°C/+1350°C	0.1°C	±(1%+1°C)
dBm and dBV	-52/+60dB	0.01dB	± 0.1 dB

Accuracies are best accuracies for each function.  
\*\* 187 and 189 accuracy and resolution are stated for 50,000 counts.

**Battery Life** : 72 hours typical (alkaline)  
**Size (HxWxD)** : 203 mm x 100 mm x 50 mm  
**Weight** : 0.545 kg  
**Lifetime Warranty**

LISTED



## Accessories and Ordering Information

### Included Accessories

TL71 silicone test leads, probe holder, two AC72 alligator clips, 4 AA batteries (installed), user manual, calibration certificate with measurement data.

### Ordering Information

Fluke 187 True RMS Multimeter  
Fluke 189 True RMS Multimeter  
FVF-SC2 FlukeView Forms software 1.6 including interface cable.

# INLEC, supporting you to deliver a world class service, every day, in every sector ...



## OUR COMMITMENT TO YOU

### A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

### Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

### Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

### We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

## YOUR 5 WAY GUARANTEE

### 1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

### 2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

### 3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application\*.

### 4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

### 5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

\*subject to availability and conditions

## Europe's leading Test Equipment Hire Specialist



LAB NO. 0535



Nationwide Low Call 0333 6000 600

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