

183/185 **Digital Multimeters**

The smartest meters

True-rms

















Accessories and Ordering Information

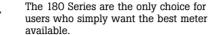
Included Accessories:

TL75 test leads, holster, alligator clips (185 only), 2 AA batteries installed, user manual, calibration certificate with measurement data.

Ordering information:

True Rms Multimeter Fluke 183 Fluke 185 True Rms Multimeter FlukeView Forms software FVF-SC2 1.6 including interface cable.

Pub_ID: 10365-eng Rev. 01



The two entry-level models 183 and 185, with removable holsters, now bring 180 Series performance like AC+DC true RMS measurements, 50000 counts resolution and a 0.05% (0.07% for 183) basic DC accuracy within the reach of more customers. The extra large dual display with analog bargraph and backlight ensure that readings are easy to read under all circumstances. The units offer all measurements you can think of including dB, temperature and 4-20mA

with % readout on the 185. On top of this they offer Min-Max-Average recording with time stamp, up to 30 readings memories and a computer interface.

Safety Conformance

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

atures

True	-rms measurements
Band	width (voltage/current)
Digit	al display counts (default/selectable)
Extra	large multiple display with large digits and backlight
Anal	og bargraph segments
Min-	Max-Average recording with relative time stamp
Fast	Min-Max recording
	n Hold® and Relative modes for reference and offset surements
	perature readings using optional K-type thermocoupledapter
4-20	mA process loop measurements with % readout
Audi	ple continuity and diode test
Duty	cycle measurements
PC ir	terface for data exchange and closed case calibratio
Read	ings memory (memory locations)
Easy	battery exchange without opening the complete case
Dome	ovable protective holster

183	185
AC, AC+DC	AC, AC+DC
20 kHz / 5kHz	20 kHz / 5kHz
5000 / 50000	5000 / 50000
•	•
20-segments	20-segments
•	•
1 msec	1 msec
•	•
	•
	•
•	•
•	•
•	•
10	30
•	•
•	•

Specifications

Functions	Maximum	Max. resolution
Voltage DC	1000 V	10 μV
Voltage AC	1000V	10 μV
Current DC	10 A	0.01 μΑ
Current AC	10 A	0.01 μΑ
Resistance	50 MΩ	0.01 Ω
Capacitance	50000 μF	0.001 nF
Frequency	1 MHz	0.001 Hz
Temperature	-50°C/+980°C	0.1°C
dBm and dBV	-74/+60 dB	0.01 dB

183*	185*
±(0.07%+1)	±(0.05%+1)
±(0.6%+2)	±(0.4%+2)
±(0.2%+2)	±(0.2%+2)
±(0.6%+2)	±(0.6%+2)
±(0.1%+2)	±(0.1%+2)
±(1.0%+3)	±(1.0%+3)
±(0.002%+1)	±(0.002%+1)
	± 1°C
	\pm 0.1 dB

Accuracies are best accuracies for each function.

* 183 and 185 accuracy is stated for 5.000 counts and resolution for 50.000 counts. To determine 183 and 185 accuracy for 50.000 counts, multiply number of digits by 10 (e.g.VDC acuracy for 185 becomes (0.05% + 10) for 50.000 counts). To determine 183 and 185 resolution for 5.000 counts, multiply resolution by 10 (e.g. VDC resolution for 185 becomes 100 microV for 5.000 counts)

Battery Life: 100 hrs typical (alkaline)

Size (HxWxD) incl. holster: 203 mm x 97 mm x 51 mm

Weight: 675 g **Lifetime Warranty**