

LT16A: True RMS Meter

For working with motors and electrical equipment.

- Volts, ohms, amps, continuity.
- MFD for motor start/run capacitors.
- Frequency for variable frequency drives.
- MAX/MIN to record highs and lows.
- Phase rotation indication for 3-phase motor connection.
- See page 33 to find out what's included.

LT16A with backlight on



LT83A: Good Meter, Great Price

Basic functions at a low price.

- Volts, ohms, amps, continuity.
- Battery checker.
- MAX/MIN to record highs and lows.

LT83A with backlight on



SPDM1: Pocket DMM with Non-contact Voltage

Pocket sized digital multimeter (DMM) with all the basic functions.

- Convenient lead storage.
- Volts AC/DC, ohms, continuity, and diode check.
- Non-contact voltage.

SPDM1



DMM Features and Specifications Table

Function	Range	Accuracy/ Resolution	LT16A	LT17A	LT83A
Ranging			Manual	Manual	Manual
Counts			2000	2000	2000
Backlight			●	●	●
True RMS			●		
VAC	200m	1.5% + 5/0.1	●	●	●
	2000m	1.5% + 5/1.0	●	●	●
	20	1.5% + 5/0.01	●	●	●
	200	2.0% + 5/0.1	●	●	●
	600	2.0% + 5/1.0	●	●	●
VDC	200m	0.5% + 1/0.1	●	●	●
	2000m	0.5% + 1/1.0	●	●	●
	20	0.5% + 1/0.01	●	●	●
	200	0.5% + 1/0.1	●	●	●
AAC	600	0.5% + 1/1.0	●	●	●
	200μ	1.5% + 5/0.1	●	●	●
	2m	1.5% + 5/0.001			●
	20m	1.5% + 5/0.01	●	●	●
	200m	1.5% + 5/0.1	●	●	●
	2	3.0% + 5/0.001	●		
	10	3.5% + 4/0.01			●
	20*	3.0% + 7/0.01	●	●	●
	100*	4.0% + 8/0.01	●	●	●
ADC	400*	5.0% + 10/1	●	●	●
	20μ	1.0% + 1/0.01			
	200μ	1.0% + 1/0.1	●	●	●
	2m	1.0% + 1/0.001			●
	20m	1.0% + 1/0.01	●	●	●
	200m	1.0% + 1/0.1	●	●	●
	2	2.5% + 1/0.001	●		
°F	10	3.0% + 3/0.01			●
	200	1°F/0.1 (32-120°F)		●	
MFD	1400	3.0% + 7/1.0		●	
	20	4.0% + 10/0.01			
	200	4.0% + 10/0.1	●	●	
	2K	4.0% + 10/0.001	●	●	
Ohms	20K	4.0% + 10/0.01	●	●	
	200	1.0% + 4/0.1	●	●	●
	2K	1.0% + 4/0.001	●	●	●
	20K	1.0% + 4/0.01			●
	200K	1.0% + 4/0.1	●	●	●
	2M	1.0% + 4/0.001			●
	20M	3.0% + 4/0.01	●	●	●
	200M	2.0% + 4/0.1			●
Battery Check	2000M	5.0% + 10/1.0	●		
Frequency	1.5V	3.5% + 2/0.01			●
Phase Rotation			●	●	
Continuity			●		
Diode			●	●	●
*With the ACH4			●	●	●

SPDM1 Features and Specifications Table

SPDM1	Range	Accuracy / Best Resolution
Counts	2000	
Ranging	Auto	
NCV	●	
VAC	2-600	4.0%+5/.001
VDC	2-600	2.0%+2/.001
Ohms	200-20M	5.0%+5/0.1
Continuity	●	
Diode	●	

LT17A



Includes meter, the ACH4 400 AAC accessory clamp, ATB1 thermocouple, leads, and mail pouch carrying case (ANC5).

LT16A



Includes true-RMS meter, the ACH4 400 AAC accessory clamp, leads, ASA2 alligator clips, and carrying case (ANC5).

Contents of Fieldpacks

Product Number	LT16A	LT17A	LT83A
Meter	LT16A	LT17A	LT83A
400 AAC Amp Clamp (ACH4)	●	●	
Carrying Case	ANC5	ANC5	
Alligator Leads (ASA2)	●		
Yellow Alligator Lead for 3-phase	●		
Leads with Removable Probe Tips	●	●	
Test Lead Material	Vinyl	Vinyl	Vinyl
K-Type Thermocouple (ATB1)		●	

Connect to Accessory Heads

Connect your digital multimeter to Fieldpiece Accessory Heads by using the AHDL1 Adapter Handle or by using Fieldpiece leads with removable probe tips (included).




LT17A connected to AHDL1 and ACH4

Replacement Fuses and Batteries

A blown fuse indicates it did its job.
Replace it immediately.

Fuses

Batteries

MODEL (serial#)	RF16 (4)	0.1A/250V (5x20mm)	RFM66 (4)	0.25A/700V (6x32mm)	RFM70 (4)	2A/600V (6.35x25.4mm)	RFM74 (4)	0.5A/700V (6.35 x 32mm)	RFL712 (1)	12A/600V (10x38mm)	RFL83 (4)	10A/600V (6.35x25.4mm)	RFL83A (4)	10A/500V (6.35x32mm)	RFS74 (4)	0.5A/250V (5x20mm)	MODEL	RL736 (6)	RLR44 (2)	RCR2032 (1)
SC76 (<612588)	●																SWT2		●	
SC67			●														SPK1		●	
SC66			●														SPDM1		●	
LT83A (<70003091)					●					●							SNCV1		●	
LT83A (>70003091)					●							●					SIL2		●	
LT83 (<120808)											●		●				SIR2			●
LT83							●			●							SIP2		●	
LT17A			●														PLM2	●		
LT17 (<120149)	●																			
LT17 (>120149)	●				●															
LT16A			●	●																
LT16	●			●																
HS36 (<647936)			●																	
HS35 (<637606)			●																	
HB74 (<903006)									●				●							
HB74					●	●														

How to tell if you need a fuse

HB meters, big fuse:

1. Connect V to 10A input.
2. Select microamps range on dial.
3. "OL" means fuse is bad.

HB meters,

LT meters, small fuse:

1. Connect COM to MFD.
2. Select MFD range on dial.
3. If numbers count up, fuse is good.

HS and SC meters:

1. Remove battery cover.
2. Connect V to negative battery terminal.
3. Select microamps range on dial.
4. "OL" means fuse is good.