

DIGITAL CLAMP METER - CPS

CPS Digital Clamp Meter

Airefrig Part Number	Description	List Price Ex GST
AC750	Digital Clamp Meter	\$336.00

Item Description:

The AC750 is a Multi-Functional AC/DC Clamp Meter. The AC750 hosts an array of enhanced features such as the ability to capture True Inrush measurements, Non-Contact Voltage Detection and Data Logging your output readings to a PC (USB Connection cable included).

Key Features:

- Versatile for testing AC/DC voltage, AC/DC current, resistance and frequency
- True RMS AC measurement
- Max./Min. value measurement
- Audible continuity and diode test
- Non-contact voltage detection
- Integrated clamp light and LCD backlight
- Auto zero key for DCA measurement
- Auto/Manual range, auto power off
- Secondary injection molded case, safety as per IEC1010 CAT.III 600V



MULTIMETER - FIELDPIECE

Fieldpiece Digital Pocket Multimeter

Airefrig Part Number	Description	List Price Ex GST
SPDM1	Digital Pocket Multimeter	\$85.05

Display: 3½ digit LCD with a max reading of 1999.
 Auto power off: approx. 10 minutes.
 Power: Two 1.5V button-type batteries
 Battery life: 70 hours continuous operation.
 Measurement rate: 2 times per second, nominal.

Resistance (autoranging)

Ranges: 200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ
 Resolution: 100mΩ

Accuracy:

- ±(2.0% rdg + 5 dgts) on 200Ω range
- ±(2.0% rdg + 4 dgts) on 2kΩ, 20kΩ, 200kΩ
- ±(3.0% rdg + 4 dgts) on 2MΩ range
- ±(5.0% rdg + 5 dgts) on 20MΩ range

Overload protection: 450VDC or AC rms

Continuity

Audible indication: Less than 25Ω

Response time: 500ms

Overload protection: 450VDC or AC rms

Diode test

Audible indication: Less than .25V

Range: 2V

Resolution: 10mV

Accuracy: ±(3.0% rdg + 3 dgts)

Test current: 1.2mA

Overload protection: 450VDC or AC rms

DC volts (autoranging)

Ranges: 2V, 20V, 200V, 600V

Resolution: 1mV

Accuracy: ±(2.0% rdg + 2 dgt)

Input impedance: 10MΩ on 2V, 9.1MΩ all other

Overload protection: 600VDC or AC rms

AC volts 50/60Hz (autoranging)

Ranges: 2V, 20V, 200V, 600V

Resolution: 1mV

Accuracy: ±(4.0% rdg + 5 dgts)

Input impedance: 10MΩ on 2V, 9.1MΩ all other

Overload protection: 600V DC or AC rms



SPDM1

MEGAOHM METER - FIELDPIECE

Fieldpiece SMG5 Megohm Meter

Airefrig Part Number	Description	List Price Ex GST
SMG5	Megohm Meter – 1000VDC up to 2000Mohms	\$313.89

SMG5 Megohm Meter is a low cost meter for checking compressor insulation.

- Predict compressor failure
- 1000VDC stresses insulation to measure up to 2000Mohms
- Backlit LCD display
- Auto-off to extend battery life
- Case, alligator clip, leads with removable tips



FIELDPIECE INSTRUMENTS

DL3 Expandable HVAC/R Data Logger

Measures and records any parameter from any Fieldpiece accessory head connected to it.

- Record data points manually, automatically or trigger to log outside range
- Realtime clock: second, minute, hour, day, month and year
- All data points are time stamped
- Multiple data sets of various parameters can be stored
- Easy downloading to PC
- Cost-Effective, multi-channel recording using multiple DL3 data loggers 20000 data points
- Combine with the AAV3 Anemometer to easily determine CFM



DL3
Data Logger

EHDL1 Electronic Handle Converts any Fieldpiece accessory head into a standalone meter

- MIN/MAX to record highest and lowest readings.
- Ranges: 200mVAC, 2000mVAC, 200mVDC 2000mVDC
- Resolution: 0.1mV
- Accuracy DCV: $\pm(1.2\%rdg + 3 \text{ digits.})$
- Overload Protection: 30VDC or 24VAC



EHDL1
Electronic Handle

SC45 Basic Mini Clamp Meter

c/w: zippered case, Thermocouple & Silicone Test Leads

- Basic clamp meter with NCV.
- Auto ranging
- 4000 counts
- VAC, VDC, AAC, Ohms, NCV, Continuity & Diode testing



SC45
Mini Clamp Meter

SC56 True RMS Swivel Head Clamp Meter

c/w: zippered case, Thermocouple & Silicone Test Leads

- 180 Degree swivel head
- Inrush current
- Dual Display (backlight)
- True RMS
- Auto or manual ranging



SC56
True RMS Swivel Head
Clamp Meter

ARH5 In-Duct Psychrometer Accessory Head

Measures air temperature, RH% and dew point wet bulb for getting target superheat from charts.

- Select °F or °C.
- Accuracy: $\pm 1^\circ @ 0^\circ - 45^\circ\text{C}$.
- $\pm 2.5\% \text{ RH}, 10\% - 90\% \text{ RH} @ 25^\circ\text{C}$.
- Auto off can be disabled for data logging.



ARH5
In-Duct Psychrometer
Accessory Head

Note: Prices on last page of Fieldpiece Information

FIELDPIECE INSTRUMENTS

ACH4 Current Clamp Accessory Head

Measures to 400VAAC

- Current range: 1A to 400A
- Accuracy: $\pm 1.5\% \text{rdg} + 1 \text{digets.}$
- Maximum conductor size: 23mm (0.91ins)



400A Amp Clamp
Accessory Head

SRH3 Diagnostic Psychrometer (Stand-alone Meter) with Target Superheat

Fully loaded diagnostic psychrometer. Use on Fixed Orifice Systems for the quickest way to check your "Target" Superheat on capillary systems by measuring the *outdoor* dry bulb temperature and the *indoor* wet bulb temperature

- For temperature measurements select built-in thermistor on a telescopic wand.
- Measures Wet bulb temp, dry bulb temp, dew point temp and %RH
- Target Evap. Exit Temp and Target Superheat for "Fixed Orifice Systems"
- Calculate target superheat and target evaporator exit temperature
- Rubber boot protection with magnetic hanger strap

SRH3
Diagnostic
Psychrometer



ADLS2 Deluxe Silicone Test Leads

- High copper stranding, silicone insulated test leads.
- Removable probe tips
- Basket style strain relief
- Fit in test lead holders on back of SC series clamp meters and HS30 series stick meter



ADLS2
Silicone Test Leads

AHDL1 Electronic Handle

Converts any Fieldpiece accessory head into a standalone meter

- Connects any Fieldpiece accessory head to any digital multimeter with industry standard jacks

AHDL1
Accessory Head
Adaptor



ATA1 Bead Tip K-Type Thermocouple with Alligator Clip

- Bead type with alligator clip
- Temperature Range -46 to 204°C



ATA1
Thermocouple

ATF1 Thermocouple

- 6" Stainless steel tip for fluids
- Maximum temperature 815°C (1500°F)



ATF1
Thermocouple

ANC1 Carry Case

- Soft sided carry case
- 4 pockets, 1 meter + 2 heads



ANC1
Carry Case

ANC8 Carry Case

- Soft sided carry case
- 4 pockets, 2 meter + 2 heads



ANC8
Carry Case

Note: Prices on last page of Fieldpiece Information

FIELDPIECE INSTRUMENTS

LT Digital Multimeters

Function	Range	Accuracy / Resolution	LT16A	LT17A	LT83A
AC Voltage (50hz to 500hz)	200m	1.5% + 5/0.1	X	X	X
	2000m	1.5% + 5/1.0	X	X	X
	20	1.5% + 5/0.01	X	X	X
	200	2% + 5/0.1	X	X	X
	600	2% + 5/1.0	X	X	X
DC Voltage	200m	0.5% + 1/0.1	X	X	X
	2000m	0.5% + 1/1.0	X	X	X
	20	0.5% + 1/0.01	X	X	X
	200	0.5% + 1/0.1	X	X	X
	600	0.5% + 1/1.0	X	X	X
AC Current (* Using the ACH4 current clamp)	200μ	1.5% + 5/0.1	X	X	X
	2m	1.5% + 5/0.001			X
	20m	1.5% + 5/0.01	X	X	X
	200m	1.5% + 5/0.1	X	X	X
	2	3% + 5/0.001	X		
	10	3.5% + 4/0.01			X
	20*	3.0% + 7/0.01	X	X	X
	100*	4.0% + 8/0.01	X	X	X
DC Current	200μ	1% + 1/0.1	X	X	X
	2m	1% + 1/0.001			X
	20m	1% + 1/0.01	X	X	X
	200m	1% + 1/0.1	X	X	X
	2	2.5% + 1/0.001	X		
	10	3% + 3/0.01			X
Capacitance (MFD)	200	4% + 10/0.1	X	X	
	2k	4% + 10/0.001	X	X	
	20K	4% + 10/0.01	X	X	
Resistance (Ohms)	200	1% + 4/0.1	X	X	X
	2k	1% + 4/0.001	X	X	X
	20k	1% + 4/0.01			X
	200k	1% + 4/0.1	X	X	X
	2M	1% + 4/0.001			X
	20M	3% + 4/0.01	X	X	X
	200M	2% + 4/0.1			X
Temperature (K-Type Sensor)	200	1°F/0.1 (32 – 120°F)		X	
	1400	3% + 7/1.0		X	
Battery Check	1.5V	3.5% + 2/0.01			X
True RMS			X		
Phase Rotation			X		
Frequency Autoranging			X	X	
Continuity			X	X	X
Diode Test			X	X	X
Backlight			X	X	X
Supplied with:	ACH4 – 400AAC current clamp		X	X	
	ADLS2 – Deluxe silicone test leads		X	X	X
	ANC5 – Padded pouch case		X	X	
	ASA2 – Short leads with alligator clips		X	X	
	ATB1 – K-Type bead thermocouple			X	
	ASV6 – Velcro thermocouple pipe straps			X	
	Yellow short lead with alligator clips		X		



LT16A



LT17A



LT83A

Note: Prices on last page of Fieldpiece Information