

S & C

DISTRIBUTION COMPANY

MODEL 355 SIGNALMAN'S METER

(Digital Volt-Ohm Milliammeter)
(10/30/14)

Designed By Signalmen For
Signalmen

Advanced-technology DVOM

All Functions, All Scales Protected
Against Electrical Damage

Ohms By Thermal Reset

Voltage By Impedance

Amperes Scales By Two Front-
Accessed Fuses, 10 & 30 Amp

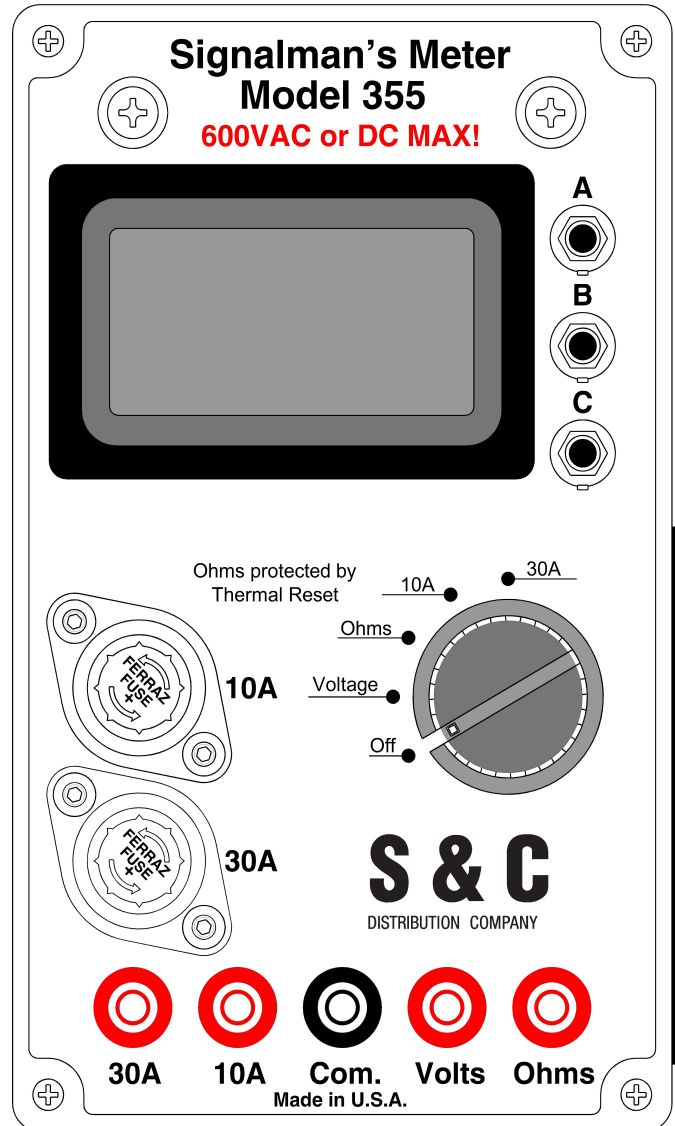
Volts, Ohms and Amps Displays All
Provided With Analog Bar Graphs

AC (True RMS) And DC Voltages
Displayed Simultaneously

Menu Selectable Special Display:
Combo Voltage - True RMS AC + DC

Volts & Amps Spectrum Analyzers,
Menu Selectable

Greatly Simplified, Auto-Ranging
One Voltage Scale
One Ohms Scale
Two Amp Scales



Operates On Four AA Lithium Batteries In Readily Accessible Slide-In Drawer

Displays Peak-Hold Upon Command

Displays Period and Percent-On Time For DC Codes Simultaneously

Simultaneously Displays Cab Signal Freqs, Code Rates, %On with Voltage Function &
These Plus Current with Amps Function

GENERAL**A. Voltage Function:**

1. One Switch Position, One Lead Connection Pair
2. Auto Ranging; 0 to 600 Volts AC (True RMS) and DC (reports polarity of DC)
3. Accuracy: +/- 3%
4. Sensitivity: DC 10mV, AC 100mV
5. Reads and displays AC and DC Volts simultaneously & with Bar Graphs
6. Special, menu-selectable scale with combined True RMS AC + DC displayed
7. Volts Spectrum Analyzer: 0Hz to 20KHz, Sensitivity: -31.7dB
8. Is able to do Peak-Hold of both AC and DC readings (menu selectable)
9. Meter protected by impedance (200K Ohms)

B. Ohms Function:

1. One Switch Position, One Lead Connection Pair
2. Auto-Ranging 0 to 10Meg Ohms, with Bar Graph
3. Accuracy: +/-3%
4. Continuity Beeper: Triggers At 65 Ohms and below. Menu selectable
5. Meter protected by Thermal Reset, 500mA, Reset current/time-related

C. Amps Function:

1. Two Scales (Switch Selectable): 10A and 30A
2. Two Lead Connection Pairs: 10A and 30A
3. Auto-Ranging: 100 uA to 10 Amps, 10mA to 30 Amps, with Bar Graphs
4. Accuracy: +/-3%
5. With accessory Shunt, uses Voltage Scale to read up to 50 Amps
6. Amps Spectrum Analyzer: 0Hz to 20KHz, Sensitivity: 60mA
7. Meter protected by two (10A, 30A) front-access fuses

D. Period and Percent-On Time For DC Coded Circuits

1. Menu selectable from Voltage Function
2. Range 30 CPM, or greater.

E. Cab Signal Carrier Frequency, Code Rate, %On & Current Detection

1. Menu selectable from Voltage & Current Functions
2. Carrier Frequencies: 40Hz, 60Hz, 100Hz and 250Hz
3. Rates Indicated: Actual from 50 to 420 CPM and NO CODE

F. Power Requirements:

1. Batteries: Four, AA Cells (1.5V, Lithium furnished, Alkaline may be
2. Battery Life: 60 hours of continuous on-time typical with Lithium batteries.

G. Physical/Environmental:

1. Size: 4.75 in.W x 7.9 in.H x 4.3 in.D (not including padded case)
2. Weight: 5 lbs incl. batteries, leads, shoulder harness and padded case
3. Operating Temperature Range: -40 degF thru +140 degF (w/Lithium batts)

OPERATION

- A. To facilitate testing for grounds, a Test Pad (1000 ohms per volt) is provided.
- B. Special, menu-selectable voltage scale is provided that will allow accurate reading of outputs of control devices that furnish a True RMS AC + DC voltage.
- C. Bar graphs provided for AC, DC, True RMS AC + DC Voltages, Ohms and Amps
- D. Low Operating Battery Voltage Indicator: Battery Voltage is displayed continuously on screen when unit is on. Unit advises Low Battery at 4.8V.
- E. Batteries may be either Alkaline or Lithium, but Alkaline batteries will only operate for about half the use duration (30 hours) of Lithium (60 hours), and will not operate successfully at cold temperatures. Lithium batteries are furnished with the unit.
- F. Leads: 4 feet long, rubber insulated, CAT III, 14ga., with Crocodile Clips.
- G. To enable outdoor visibility of display, rain resistance, ACHC Shields are provided.

ORDERING INFORMATION

Model 355 Signalman's Meter, with Lithium batteries, Crocodile Clip Leads, 1000 Ohms/Volt Test Pad, ACHC Shields, Shoulder Harness and Padded Case. . . . PN: 355-10
Above, but with larger Battery (Claw) Clip Leads PN: 355-121
Above, but with Probe Leads (screw-on Alligator Clips avail. below) PN: 355-122

REPLACEMENT PARTS/ACCESSORIES

ITEM DESCRIPTION	PART NUMBER
Lead Set, rubber, CAT III, 14ga., 4 ft., Crocodile Clips	355-16
Acces Lead Set, rub, CAT III, 14ga, 4ft, 30A, lg Claw Clips	355-21
Acces Lead Set, rub, CAT III, 14ga, 4ft, 20A, Probes	355-22
Acces Scrw-On Alligator Clips f/355-22 Lead Set	355-22K1
Acces Scrw-On Shrouded Banana Plugs, CAT III, 10A, Set	355-22K2
Acces, 50A Shunt, uses Voltage Scale to read current	355-20
Fuse, 10A, 600V	04-1019
Fuse, 30A, 600V	04-1020
Batteries, AA, Lithium, Set of 4	04-1018-4
Test Pad (1000 ohms per volt)	355-17
ACHC Sun/Rain Shields, Set of 2	355-18
Case, Padded, Zippered, Safety Orange	355-15
Shoulder Harness	324-20

ORDER FROM:

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