



606 Multicorder

Portable Flatbed Chart Recorder With Digital Display

Simpson's Multicorder is not only a flatbed chart recorder ... it is also a digital display monitor that allows you to view the electrical value of the inputs being received. This added feature and the wide selection of input ranges allows the user to meet almost any demand for today's monitoring and recording application.

- 3 1/2 Digit Display
- Battery or Line Powered
- Ink or Inkless Operation
- Single Channel with over Over 20 Test Ranges
- Roll or Single Sheet Paper Feed
- Transparent, Hinged, Detachable Dust Cover
- Records & Documents Test Parameters



Operating position: Horizontal, up to 30° tilt

Recording width: 100mm

Scaling: 0 to 30, linear, 15 divisions

Paper formats: Roll, 120mm, 16m. single sheet, 120mm x 210mm, recording length 180mm.

Type of paper: Standard or waxed inkless paper

Matrix print: Y: Division 0 to 30, 15 steps T: Division in centimeters

Pen types: Disposable felt pen, recording length \approx 1000m. Refillable ink pen with replaceable capillary or fiber tip, recording length approx. 1500m per filling. Sapphire stylus for recording on waxed paper.

Dead zone: 0.3% of FSV

Linearity: 0.25%

Response time: \approx 0.5 sec

Recording speed: \approx 20 cm/s

Cutoff frequency: \approx 1 Hz

Measuring Documentation: Documents parameters selected and battery charge status on chart paper, activated by switch on control panel. Character size 5mm.

Digital readout: 3 1/2 digit LED display, 47mm x 14mm, digit size 9mm
Readouts of: measured value, polarity and overloading. Resolution 0.3% of FSV; 0.15V range: See "Measuring Unit" specifications for accuracy.

Battery: 1.5 Standard 2.5V Ni-Cad

Temperature ranges: Reference temp. range: +20° to 25°C

Operating temp. range: 0° to 50° C

Storage temp. range: -40 to 70° C

Safety regulations: IEC 348

Electromagnetic compatibility: As per IEC 801, Section 2 and 3

Power consumption: \approx 1W at signal freq. 0.5 Hz; max. 3W

Fuse: DIN 41662 (5 x 20 mm) or UL 198 (1/4" x 1 1/4") AC line circuit T 1.00 (1.00AT) slow blowing. Measuring circuit F 2.00 (2.00AT) fast blowing

Dimensions: 76 x 306 x 231 mm (3" x 12" x 9") (H x W x D)

Weight: Approx. 4.9 lbs (2.2kg)

TIME OUT

Writing speed: 12 switchable chart advance speeds 1-2-6-12-30-60 cm/h, 2-3-6-12-30-60cm/min

Remote control input: Via 8-pole standard DIN plug, using TTL, CMOS or external switch (active on low)

Remote control:

STOP/ENABLE: Chart advance, stop, and activation of "PULSE" advance control.

REVERSE: Direction of chart advance is reversed; max. reverse feed 180mm.

PULSE: Chart advance controlled by external pulse

PEN: Recording pen lowered onto paper

Specifications Subject To Change Without Notice.



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Specifications Cont.

MEASURING UNIT

Voltage Ranges (calibrated): 0.15/ 0.3/ 0.6/ 1.5/ 3/6/ 30/60/150/300V DC/AC:

750 V DC/AC via separate terminal

Current Ranges: 0.6/ 1.5/3/ 6/15/ 30/ 60/ 150/ 300/ 600/ 1500mA DC/AC;

6A DC/AC via separate terminal

Accuracy: DCV ranges: 1% of FSV 0.15 to 300V

ACV ranges (average responding):

1.5% of FSV at 50 to 60 Hz

3% of FSV at > 60 Hz to 10 KHz

6% of FSV at > 10 KHz to 20 KHz

750V ranges:

1.5% of FSV at 50 to 60 Hz

AC A range:

2% of FSV at 50 to 60 Hz

4% of FSV at > 60 Hz to 10 KHz

8% of FSV at >10 KHz to 20 KHz

Zero point: Continuously variable from -100% to +105% Checking possible with m ing signal applied.

Input: Floating, asymmetrical; max. admissible potential difference between input a ground 750V; connection by 4mm diameter safety jacks or clips.

Input impedance: All voltage ranges, 1 MΩ burden voltage, current ranges, 150mV. Specifications subject to change without notice.



Carrying Case

The Model 606 Multicorder comes with: A dust cover, 120 VAC adapter, 1 red pen, 1 roll of paper, spare fuse, and an operator's manual.



Document your readings!

Simpson model 606 Multicorder has input jacks that will hook up with Simpson Sound Level Meters equipped to supply either an AC RMS or DC volt signal.

Ordering Information

DESCRIPTION	Catalog No.	DESCRIPTION	Catalog No.	DESCRIPTION	Catalog No.
Model 606 Multicorder	40022	Sapphire Inkless Stylus	45010	Universal Kit, 14-Piece	05577
Ink Pens, Red (Package of 5)	45009	Chart Paper, Inkless (Roll)	45013	Case, Molded Plastic	45011
Chart Paper (Ink, 1 Roll)	45012	Charger, 220V (European)	45014		