

14. Measuring Equipment



● ANALOG AC CURRENT CLAMP



Characteristics

- AC Voltage: 150/300/600 volts
- AC current: Amp 6/30/60/300/600
- Resistance: 2 Ohms (20 ohm mid-scale)
- Tolerance: 3% +/-
- Dimensions: 230x72x37mm
- Weight: 416 Gr
- Conductor diameter: 38mm max.
- Frequency: 50/60 Hz
- Power supply: Battery 1.5 volts
- Accessories: test leads, carrying case, special tip for IOHMS and instruction manual

Reference

ST-600

● DIGITAL AC CURRENT CLAMP



Characteristics

- AC Voltage: 400/600 volts
- AC Current: 400 Amp
- Resistance: 4 Ohms
- Data Hold: For all the charges (indication of empty batteries)
- Continuities: below 100 OHMS
- Dimensions: 197x65x33mm
- Weight: 250 Gr
- Conductor diameter: 27mm max.
- Frequency: 50/60 Hz
- Power supply: 9 volt battery
- Accessories: test leads, carrying case, instruction manual and 9-volt battery

Reference

ST-2600

● DIGITAL AC/DC CLAMP METER

Characteristics

- AC Voltage: 400/600 volts
- AC Current: 400/1000 amp
- Resistance: 400/2000 OHMS
- Diode: 400 MV (0.1 MA) / 2000 MV (1MA)
- Data Hold: In all charges
- Max Hold: In all charges (check function diodes).
- OHM: Function to check continuity of relays, transformers and coils engines
- True RMS: RMS value
- Dimensions: 255x80x35mm
- Weight: 420 Gr including accessories
- Conductor diameter: 40 mm max.
- Frequency: Hz 40-500HZ
- Power supply: 9 volt battery
- Accessories: Test leads, carrying case, and instruction manual 9 volt battery.



Reference

3810-CL

● PHASE SEQUENCER

Characteristics

- AC Voltage: 90/600 volts
- Operating temperature: 10°C ~ 40°C
- Dimensions: 134x85x45mm
- Weight: 540 Gr
- Frequency: 50 / 60HZ
- Withstand Voltage: 1500 VAC for one minute
- Test leads: with 1.1 m each: red R; White S; black T
- Accessories: carrying case and instruction manual



Reference

ST 850

● DIGITAL ISOLATION METER

Characteristics

- Megaohms: 0-500000 Mohm
- DC voltage: 1 to 10kv
- Power: 8 1.5 volt batteries
- Dimensions: 330x260x160 mm
- Weight: 3.6 kg
- Accessories: test leads, batteries and instruction manual



Reference

6211 IN

● DIGITAL ISOLATION METER



Characteristics

- Megohms: 20 mohms, 200 mohms, 2000 mohms
- DC Voltage: 250/500/100 volts +/- 10%
- AC Voltage: 0-750 volts +/- 1.5% rdg + 2 dgt
- Impedance: 10m
- Continuities:
 - 0-20 ohms +/- 2% + 4 dgt buzzer;
 - 0-200 ohms +/- 1.5% + 2 dgt buzzer;
 - 0-2 ohms +/- 1.5% + 2 dgt buzzer;
 - (buzzer beeps below 40 ohms. maximum open circuit voltage 3.2 volts, short circuit current 3M)
- Timer: Automatically turns off after about 5 minutes to preserve battery
- Display: 3 1/2 digit LCD 48x52mm
- Dimensions: 163x100x52mm
- Weight: 800 Gr including accessories
- Accessories: Batteries, Probes, tweezers, carrying case, instruction manual.

Reference

ST 2551

● DIGITAL ISOLATION METER



Characteristics

- Controlled by microprocessor
- Megaohms: 0-500000 Mohm
- DC voltage: 0.5 to 40 kv
- Power: 8 1.5-volt batteries
- Dimensions: 330x260x160 mm
- Weight: 3.6 kg
- Accessories: Test leads, batteries and instruction manual

Reference

6212 IN

● ANALOG ISOLATION METER

Characteristics

- Megohms: 0-200 mohms
- AC Voltage: 0-600 volts +/- 1.5% rdg '2 dgt
- Continuities: 0-50 ohms;
Maximum open circuit voltage: 600DC MV;
Short-circuit current: 240 MA DC
- Power: 8 1.5-volt batteries, type AA
- Dimensions: 170x165x92mm
- Weight: 970g including accessories
- Accessories: Batteries, test leads, 250V 1A fuse and instruction manual



Reference

1800 IN

● ANALOG GROUND METER

Characteristics

- Scales: Ground resistance 10/100/1000 mohms
Earth voltage of 30 volts (5kvhms / v)
- Accuracy: Resistance to earth +/- 3% of final value
- Measuring system:
Resistance to ground through constant current inverter 2 800Hz MA;
Earth voltage by rectifier type 5kvohms / v 40-500hz
- Power: 6 AA 1.5 volt
- Dimensions: 163x100x52mm
- Weight: 970g including accessories
- Accessories: test strings: red (15m), yellow (10m), green (5m),
transport bag for rods and instruction manual
- Remarks: with 10hm ground resistance, the allowable stress is
10 volts with less than 5% of the value indicated error.
Meets JIS C-1304 requirements



Reference

ST 1505

● DIGITAL GROUND RESISTANCE METER



Characteristics

- Scales: earth resistance 0-20 / 0-200 / 0-2000 mohms, ground of 0-200 volts AC voltage, 40-500 HZ
- Accuracy: resistance to earth +/- 1%
ground voltage +/- 1%
- Measuring system: earth resistance by constant current inverter 800Hz 2 MA
- Power: 6 AA 1.5 volt
- Dimensions: 163x100x50mm
- Weight: 800gr
- Accessories: test strings: red (15m), yellow (10m), green (5m), transport bag for roods and instruction manual

Reference

ST 1520

● ANALOG MULTIMETER



Characteristics

- DC voltage: 0-0,01 / 0.5 / 2.5 / 10/50/2500 / 1000v;
Sensitivity of 20 kohms / v
Accuracy of 3% +/-
- AC Voltage: 0-10 / 50/250 / 1,000 v;
Sensitivity 8 kohms / v
Accuracy +/- 4%
- DC Current: 0-50 ua / 2.5mA / 250ma;
Accuracy of 3% +/-
- Resistance: 2 / 20k / 2m / 20m (20 mid-scale)
- Decibels: -10a +/- -500db
- Testing transistors
- ICEO: 150U 15ma 150ma
- HFE: 0-1000
- LV: 3V
- Fuses: 0.4A / 250V (5x200mm)
- Power: 6 AA 1.5v type aa and 1 9v battery, 006P.
- Low battery indicator
- Dimensions: 148x102x46mm
- Weight: 300g
- Accessories: banana type test leads, alligator type test leads and instruction manual

Reference

ST 365 TR

● DIGITAL MULTIMETER

Characteristics

- DC voltage: 0-200 mv / 2/20/200/1000 v.
Accuracy of 0.5% +/-
- AC Voltage: 0-200 mv / 2/20/200 / 750v
Sensitivity of 8 Ohms / V.
Accuracy of 1.2% +/-
- DC Current: 0-200 ua / 2/20/200 ma / 10th.
Accuracy +/- 1.2%
- Resistance: 200/2/20 / 200K / 2M / 20M
- Testing transistors
- Diode test
- Polarity: Automatic indicating (-) for negative polarity
- Power: one 9 volt battery, 006P.
- Low battery indicator
- Dimensions: 128x72x33mm
- Weight: 300g
- Accessories: Test leads and instruction manual



Reference

ST 3201

● TEST PHONE

Characteristics

- Identification of peers by voice, continuity, intercom and call signal generation
- Self-powered test telephone test, allowing simultaneously the powering of the HSA01 handset and the test phone test type 290 or 286A
- Includes signal generator (call) and proof of continuity
- Power: 1.5-volt batteries



Reference

TS 01

● TEST PHONE



Characteristics

- **Operation in long lines:** 48 VDC; > 5 Kohm loop. Minimum current <10 mA
- **DC Resistance:** Conservation mode: 300 ohms; Empty:> 5 M ohms (48 VDC / 10uA)
- **Marking:** Impulse: 10 imp / sec, 60%; DTMF: -3dBm; Flash: 100ms (or 300/600)
- **Memory:** Last 32 digit number
- **Pause PBX:** 2 sec.
- Automatically turns off
- **Power:** 9-volt alkaline battery

Reference

DSP

● TEST PHONE



Characteristics

- Testing phone t with own marker, multifrequency type
- Equipment robust and extremely effective

Reference

290 A

● MICRO HEADPHONE



Characteristics

- Micro Headphone for testing telephone lines
- Includes its own power supply

Reference

HSA 01

● AMPLIFYING TIP SIGNAL GENERATOR



● AMPLIFYING TIP

Characteristics

- The signal detector is designed to identify and track wires and cables within a group without damaging the insulation
- Works in conjunction with a signal generator, for identification of conductors
- Volume Control (0 to 9) to increase sensitivity and fit to the surrounding environment
- Red spring button ON / OFF, not protruding, to avoid always being pressed, and prevent the battery to easily drain itself
- Powered by a 9 volt battery, with an approximate duration of 100 hours
- With a headphone jack

● SIGNAL GENERATOR

Characteristics

- Supplied with crocodile type tips and RJ11 plug with 4 contacts for each telephone socket
- A 3 position switch controls the operation modes, plus a tricolor LED to indicate the polarity of the lines, continuity and tension tests
- A switch inside the battery compartment to select tones, choosing a single or double tone
- Caution: Do not connect to an AC circuit that exceeds 24 volts in this mode