

T201/T202 HANDHELD 5 MHz LCD OSCILLOSCOPES

FEATURES

- AutoSetup
- Save Setup/Recall
- 9 Save Reference Memories
- Cursors
- On Screen Readout
- Built in DVM/Counter
- 20 MS/s Sample Rate
- Dual channel/DualTime Base
- Signal ZOOM
- LCD Display
- Signal Processing Capabilities

BENEFITS

- Ultra Portable
- Light Weight
- Sophisticated Measurements
- Battery Operation
- Productivity Enhancer

ORDERING INFORMATION

T201 5 MHz LCD Oscilloscope. \$1,295
(Calculator Interface)

Includes: 2 P6115 X1 Probes,
Battery Pack/Carrying Case,
AC Pack, Manual.

T202 5 MHz LCD Oscilloscope \$1,995
(Oscilloscope Interface)

Includes: 2 P6115 X1 Probes,
Battery Pack/Carrying Case,
AC Pack, Manual.

Opt. 44 - Delete Battery Pack -\$250

INTERNATIONAL POWER PLUG OPTION

Opt. A1-A2 - Available NC
See page 142 for descriptions.

OPTIONAL ACCESSORIES

Extra Battery Pack & Probes -

Order 1111 \$410

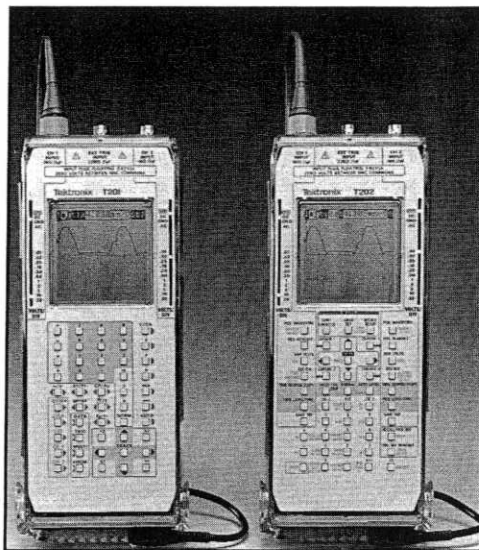
Extra Battery Pack Only -

Order 1110 \$325

P6115 - X1 probe \$32

PHYSICAL CHARACTERISTICS

Dimensions	mm	in
Width	111	4.4
Height	257	10.1
Depth	48	1.9
Weight	kg	lb
Net	0.85	1.9
Shipping	3.2	6.9



SOPHISTICATED CAPABILITIES IN A LIGHT-WEIGHT ULTRAPORTABLE PACKAGE

The Tek T201/T202 are light, compact, and fit easily into a glove box, tool box, or brief case. Only Tek offers these two choices in HandHeld LCD scopes. The T201/T202 are combination 5 MHz digital storage scopes, voltmeters and frequency counters in one compact package. Features like Autosetup, Save Setup/Recall, Cursors and On Screen Readout combine to make this product a real productivity enhancer.

A CHOICE OF TWO HUMAN INTERFACES

If you are a pro at scope operation, choose the T202, with its traditional layout. If logical left to right manipulations are more appealing, choose the T201 and its calculator type keyboard.

BATTERY OPERATION

The T201/T202 come complete with a sturdy Battery Pack/Carrying Case. Combined with the high impact case of the instrument, these are two products ready for any environment.

CHARACTERISTICS

VERTICAL SYSTEM

Range - 0.01 to 20 V/div (1-2-5 sequence).

Linearity - ± 5 LSB.

Step response - 70ns.

Maximum Sample Rate - 20 MS/s for single channel acquisitions/ 10 MS/s dual channel.

Vertical System Bandwidth -

(-3dB) DC to at least 5 MHz).

Useful Bandwidth - - Up to 5 MHz for repetitive acquisitions; Up to 2 MHz for single shot events.

Resolution - 7 bits, 20 levels per division.

Input R & C - 1M Ω paralleled by 25 pf.

Ch1/Ch 2 Isolation - 100:1 at 5 MHz

Max. Safe Input Voltage - 42 V (dc + peak ac)

HORIZONTAL SYSTEM

Time Base - 1 hour/div to 50 ns/div $\pm 1\%$.

Accuracy - ± 0.1 division.

Time between Sec/div and Delta Time - ± 0.1 division.

Resolution - 7 bits, 128 display points.

Record Length - 256 points.

Save Reference Memory - 9 each 256 pt. acquisitions

Save Setup Memory - 9 each stored setups.
(vertical sensitivity and coupling are not stored)

CURSORS

Delta Time Accuracy - ± 0.1 division.

Delta Volt s Accuracy - Same as vertical.

TRIGGERING SYSTEM

Sensitivity - Internal: 0.5 div External: 1.5 V.

Jitter - ± 2 display points.

LevelRange - at least ± 2.5 div from 0.1V.

Modes - Normal, Single, Automatic, Chop, Alt.

Ext. Trig Max. Input Voltage - 42V (dc + peak ac).

Input R & C - 2.2 M Ω paralleled by 25 pf.

DISPLAY

Dimensions - 57.6 x 57.6 mm or 6.4 div by 6.4 div.

Usable Signal Area - 100 pts vert. x 128 horiz.

DVM/COUNTER

Frequency and Period - 1 to 100 Hz at $\pm 0.5\%$

101 Hz to 500 kHz at $\pm 0.08\%$ 501 kHz to 5 MHz at $\pm 0.04\%$

Voltage Measurements of RMS, Avg. PK-PK and Zero to PK - $\pm 0.5\%$

BATTERY PACK

(4 amp hour Nicads supplied)

Charging Current - 100 mA or 400 mA (selectable)

Charge Time - 1 amp hour batteries: 12-14 hrs, 4 amp hour batteries: 24-30 hrs.

Typical Operating Time - 3 to 5 hours.

ENVIRONMENTAL

Temperature - Operating: 0°C to + 40°C

Nonoperating: -30°C to +75°C

Altitude - Operating to 4500 meters (15,000 ft)

Nonoperating to 15,000 meters (50,000ft)

Humidity - (Operating and nonoperating) 5 cycles (120 hrs) referenced to MIL-T28800C, para. 4.5.5. 1.2.2 for Type III, Class 5 instruments.

EMI - Does not meet VDE-0871, Class B

Vibration - 15 minutes along 3 major axes, 0.06cm (0.025 in) p-p displacement (4 g's at 55Hz, for a total of 15 minutes.

Shock - (Operating and nonoperating) 150g, half sine, 2 ms duration, 2 shocks per axes, for a total of 12 shocks.