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2400 SERIES REFERENCE GUIDE

TEKTRONIX

ACCESSORIES

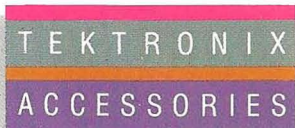


Tektronix[®]
COMMITTED TO EXCELLENCE

Scan by Zenith

Your #1 source for oscilloscope accessories.

You'll find here many of Tek's most popular test and measurement accessories for 2400 Series Oscilloscopes—probes, carts, cameras, clips and many more. Each one is engineered, tested and assembled to provide an optimal link between your instrument and device under test. You're sure to find a perfect match for your application!



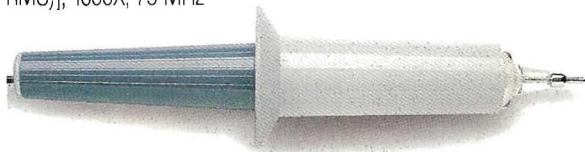
PROBES

High Voltage/Isolation Measurements

P6009 High Voltage Probe (shown below) 1500 V (dc + pk ac), 100X, 120 MHz



P6015 High Voltage Probe (shown below) 40 kV pk max [20 kV (dc or RMS)], 1000X, 75 MHz



A6902B Voltage Isolation Amplifier (not shown) 500 V max (dc + pk ac), 20 MHz. Option 02 adds two 3 kV probes

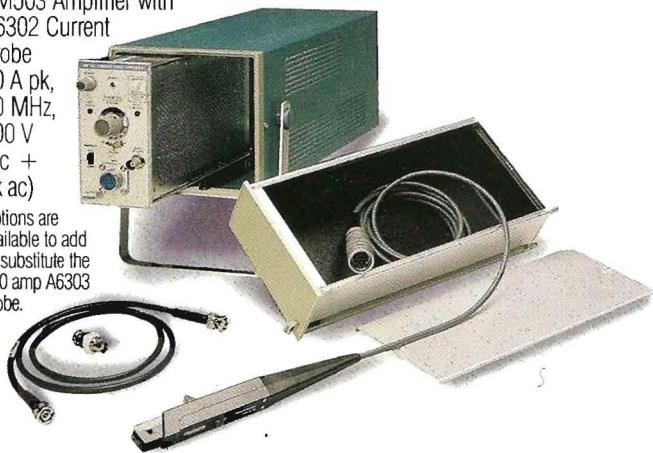
Current Measurements

AM503S DC/AC Current Probe System (shown at right)

AM503 Amplifier with
A6302 Current
Probe

50 A pk,
50 MHz,
500 V
(dc +
pk ac)

Options are
available to add
or substitute the
200 amp A6303
probe.



P6022 AC Current Probe (not shown) 6 A CW, 8.5 kHz to 120 MHz

A variety of circuit attachment accessories are included with every probe. Probe specifications are derated with frequency and voltage.

High Frequency/Low Impedance Measurements

These probes require probe power either as an option to the oscilloscope or a separate Tektronix Power Supply.*

Active (FET) Voltage Probes

P6201 (not shown) 900 MHz (1.1 GHz typical), ≤ 1.5 pF/1 M Ω , 1X, 10X, 100X

P6202A (shown below) 500 MHz, ≤ 2 pF/10 M Ω , 10X, (100X with a 10X attenuator Tek part number 010-0384-00)



Active (Bias/Offset) Voltage Probe

P6230 (not shown) 1.5 GHz, ≤ 1.3 pF/450 Ω , 10X

Spring Contact Fixtured Probes

P6511/P6513 (not shown) 300 MHz, 3.8 pF/1 M Ω , 10X, 100 MIL spacing

P6515/P6517 (shown below) 250 MHz, 4.0 pF/1 M Ω , 10X, 50 MIL spacing



P6515

*1101A Power Supply for P6201, P6202A and P6230;
1102 Power Supply or equivalent for spring contact probes

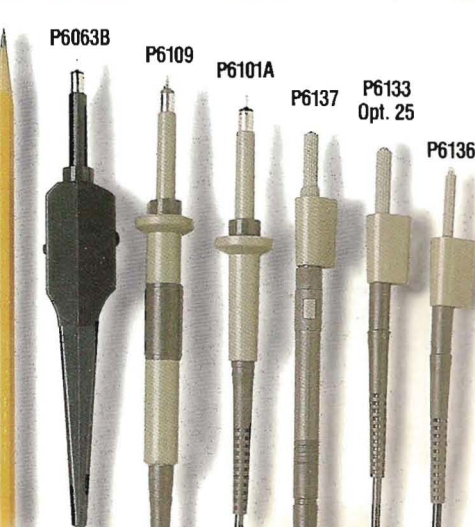
50 Ohm Microwave/Frequency Domain Measurements

P6156 Low Impedance Z_0 (50 Ω) Voltage Probe (shown below) 3.5 GHz, 10X, ≤ 1 pF/500 Ω



Options are available for 1X, 20X and 100X probe tips.

Differential Measurements



Voltage Measurements Passive Voltage Probes

Attenuation

Bandwidth

Modular

Readout

Tip Size

Standard

Special

Logic Measurements

P6407/P6408 Logic Trigger Probes for TTL and TTL compatible logic, 16 bits plus qualifier. The P6407 can be added to digital scopes; the P6408 can be added to analog scopes.



P6408

Optical Measurements

Optical to Electrical Converters
(Require TEKPROBE™ 1103 Power Supply)

P6701 700 MHz,
450-1050 nanometers

P6702 500 MHz,
1000-1700 nanometers

P6703 1 GHz,
1100-1700 nanometers

Optical Adapter
P6751 Spatial Input Head



DMM Measurements

P6602 Temperature Probe
230° C

ALM01 Meter Lead Set (shown at right) with retractable hook tip



P6046 FET Differential Probe (shown at left) 100 MHz, CMRR-10,000:1, ≤ 10 pF/1 M Ω , 1X, 10X, 250 V with 10X attenuation

P6063B	P6109	P6101A	P6137	P6133 Opt. 25	P6136 Opt. 25
1X/10X	10X	1X	10X	10X	10X
12/200 MHz	150 MHz	34 MHz	400 MHz	150 MHz	350 MHz
—	Yes	Yes	—	Yes	Yes
Yes	Yes	—	Yes	Yes	Yes
Miniature	Miniature	Miniature	Compact	Compact	Compact
—	—	—	2467B, 2465B, 2440, 2432A	2445B & 2430A	2455B
Ground Reference Button	Ruggedized	—	Identify Button	Subminiature version available	Subminiature version available (shown at left)

PROBE ACCESSORIES



Accessories Package

020-1725-00 provides a selection of commonly used ground leads and probe tip attachments for easy connection to the device under test (DUT). Used for subminiature and compact sized probe tips (P613X Probe Series).

BNC Adapter Kit

AK01 allows you to properly match your attenuation and connector type to the input on your oscilloscope. It includes a selection of BNC terminators, attenuators, cables and connectors.



Probe Tip to Circuit Board Adapters

Packages of 25:

- 131-4353-00 Miniature probe tips
- 131-5031-00 Compact probe tips
- 131-5030-00 Subminiature probe tips

Chassis Mount Test Jack To Probe Tip Adapters

- 131-0258-00 Miniature probe tip
- 131-4210-00 Compact probe tip
- 013-0240-00 Subminiature probe tip

BNC Terminators

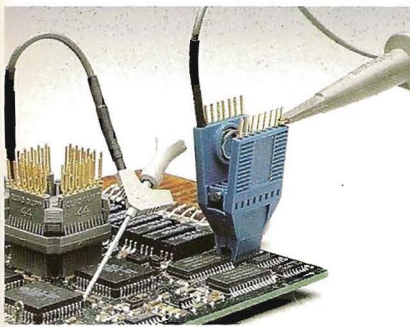
011-0049-01 Feed-through Terminator, 50 Ω

Coaxial BNC Cables

012-0076-00, 50 Ω , 18 inch

Miscellaneous Probe Tip Adapters

- 015-0325-00 Miniature probe tip dual lead to 0.025" square pin adapter
- 103-0177-01 Miniature probe tip flexible tip to 0.025" square pin adapter
- 013-0085-00 Miniature probe tip bayonet ground assembly (low inductance adapter)
- 214-4125-00 Miniature electrical contact, ground (spring)
- 013-0202-02 Subminiature/compact tip to miniature tip adapter
- 103-0051-01 Miniature probe tip to screw tip (#6/32)



SMT INTER-CONNECT KITS

These new clips make testing "hands-free" even on densely mounted SMT circuit boards.

Grabber Clip Kits	SMG50	SMGK51	SMGK52*
SMT Grabber Clips	20	4	5
Electrical Leads		3	3
Dual Lead Adapter			1
Flex Tip Adapter			1

* Subminiature and compact probe tips require miniature tip adapter 013-0202-02

SOIC and PLCC Kits (TWIN PACKS INCLUDE: Two SOIC Clips of the same pin count; 2 SMT Grabbers; 4 Electrical Leads)

SOIC Twin Packs	SMC8	SMC14	SMC16	SMC20	SMC24
Pin count	8	14	16	20	24

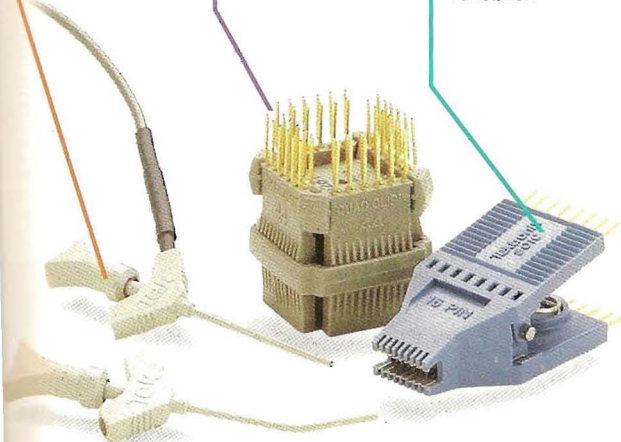
PLCC Twin Packs	SMQ20	SMQ28	SMQ44	SMQ52	SMQ68
Pin count	20	28	44	52	68

Engineer's Kits	SMCK1	SMQK1
SOIC Clips	1 each 5 styles	
PLCC Clips		1 each 5 styles
SMT Grabbers	4	4
Electrical Leads	8	8

SMT Grabber Clips are perfect for attaching logic and analog probes to a wide variety of electronic devices. Just push the plunger. Tiny jaws grasp the smallest component securely.

PLCC Quad Clips interface to Plastic Leaded Chip Carriers (PLCCs) with "J" leads. They attach quickly via a snap ring that opens and closes onto all four sides of the chip at once. Quad clips come with 0.025" upper contact pins of gold plated beryllium copper.

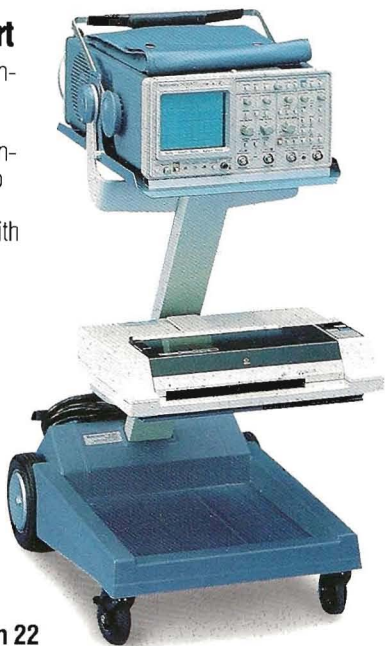
SOIC Clips simplify pin contact/connection with Small Outline Integrated Circuits (SOICs). The spring design jaws easily snap on and off. SOIC clips are compatible with gullwing or "J" leads on 0.050" centers. The 0.025" upper contact pins are gold plated beryllium copper for low contact resistance.



SCOPE-MOBILE® CARTS

Portable Instrument Cart

Designed specifically for easy on-site mobility, with tilting top tray, locking front casters and wide track base. Option 22 adds a convenient four-outlet power strip to cart base and second tray for mounting peripherals. Shown with HC100 plotter on lower shelf.



K212 with Option 22

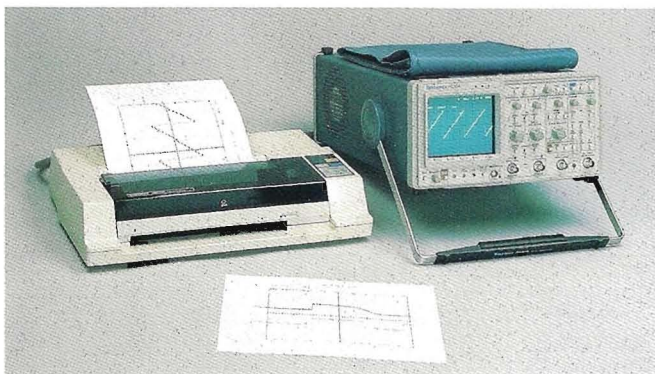


K501

Tek-Tilt Pedestal

Tilt your portable up to 30 degrees and rotate it a full 360 degrees on a Tek-Tilt Pedestal designed to enhance workstation efficiency.

DOCUMENTATION PRODUCTS



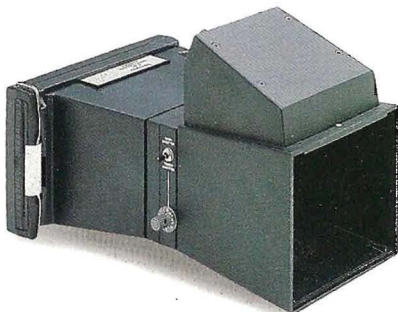
Four Color Plotter (HC100 with Option 01, shown above, includes GPIB Cable) for hardcopy from a digital scope in 90 seconds — no external controller required!

Cameras

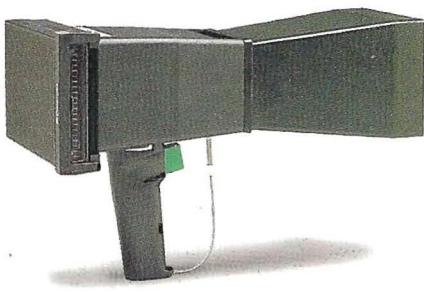
High Performance Camera (C-30B Option 01, not shown) for speed, high resolution images and ease of use. Mounts onto the scope bezel.

AutoFilm™ Eject Camera (C-7 Option 02, not shown) provides self-developing prints in seconds. Similar to the C-5C.

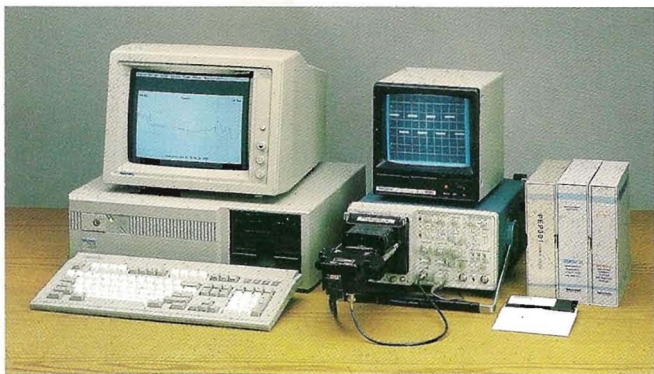
General Purpose Camera (C-5C, shown at right) Easy to use. Slips onto the scope bezel in seconds.



Hand-Held Camera (C-4 shown at right) adapts to CRTs of all sizes with one of six interchangeable hoods. Our lowest priced camera.



DIGITIZING CAPABILITY FOR ANALOG SCOPES



Digitizing Camera System

Capture transient events up to 400 MHz (with the Tek 2467B "BrightEye" oscilloscope). Digitize the waveforms from your scope and process them using your PC.

The DCS01 (shown above) includes camera, software, cabling and a frame store board for your PC.

2400 SERIES OPTIONAL ACCESSORIES

GPIB Cables Double shield, low EMC

(1 meter) 012-0991-01

(2 meters) 012-0991-00

Carrying Case 202-0302-00

Travel Cart 016-1013-00

Carrying Strap 346-0199-00

DC Power for analog scopes 1105, 1106

DC Inverter for analog scopes 1107

QuickStart Training Package for self-study learning about 2400 Series digital storage oscilloscopes

020-1679-00 U.S.

020-1681-00 International


Cover photo: 2440 Digital Storage Oscilloscope on K212 Cart with HC100 Plotter. Shown with 2402 TekMate for waveform storage, analysis, and data logging. TekMate enhances the functionality of 2400 Series digital scopes.

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QUALITY, IN QUANTITY. WORLDWIDE.

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8021657
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