TAS 220 TAS 250 TAS 465 TAS 475 TAS 485 Analog Oscilloscopes

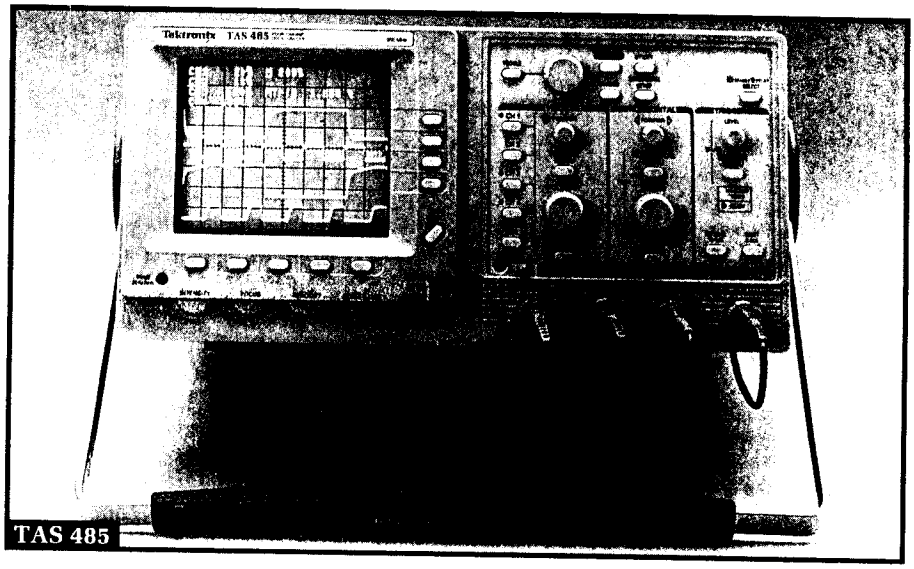
New level of power and flexibility for general purpose measurements at affordable prices.

TAS 200 SERIES FEATURES

- 20 MHz TAS 220
- 50 MHz TAS 250
- Single Time Base
- Two Channels
- Measurement Cursors
- CRT Readout
- Channel 1 Output
- Video Trigger
- Direct Access Controls

TAS 400 SERIES FEATURES

- 100 MHz @ Two Channels TAS 465
- 100 MHz @ Four Channels TAS 475
- 200 MHz @ Four Channels TAS 485
- Dual (Delayed) Time Base
- Measurement Cursors
- CRT Readout
- Auto Setup
- Store/Recall of Setups
- Video Trigger
- Trigger/Ground Reference Indicator
- Combination Menu/Direct Access Controls



Easy to Use Interface

The TAS Series user interface simplifies scope operation. Both the TAS 400 Series and TAS 200 Series front panels are similar in operation and the important, frequently used functions are controlled directly with knobs or buttons. On the TAS 400 Series a menu provides access to secondary functions.

Productivity Features

The TAS 400 Series offers auto setup to instantly deliver a triggered display. Pressing the AUTOSET button automatically adjusts the horizontal, vertical and trigger controls so that a stable signal is displayed. In addition, the TAS 400 Series front panel settings can be stored in up to four memory locations for easy recall.

Both the TAS 200 Series and TAS 400 Series provide measurement cursors and readouts to improve user productivity. Refer to the key specification selection chart and choose the analog scope best suited for your performance needs. And buy with confidence that these products are backed by the leader in oscilloscope technology, Tektronix.

Neue Adresse:
Instrumex GmbH.
Mühlweg 2
82054 Sauerlach bei München
Tel. 08104/6675-0
Fax 08104/6675-50

Purchase available through your local Tektronix representative (listed in the back of this catalog)

ISO 9001
Tektronix Measurement products are manufactured in ISO registered facilities.

APPLICATIONS

- **Training**
- **Manufacturing Production Test**
- **Field Repair**
- **Bench Calibration and Repair**
- **Product Design**

Analog Oscilloscopes

TAS 220 **TAS 250** **TAS 465** **TAS 475** **TAS 485**

KEY SPECIFICATIONS

	Available February 1995 **TAS 220**	*Available February 1995* **TAS 250**	**TAS 465**	**TAS 475**	**TAS 485**
Bandwidth	20 MHz	50 MHz	100 MHz	100 MHz	200 MHz
Input Channels	2	2	2	4	4
Rise Time	<17.5 ns	<7 ns	≤3.5 ns	≤3.5 ns	≤1.8 ns
Time Base	single	single	Dual	Dual	Dual
Main Sweep Range	0.5 s/div to 0.1 µs/div	0.5 s/div to 0.1 µs/div	0.5 s/div to 20 ns	0.5 s/div to 20 ns	0.5 s/div to 20 ns
Delayed Sweep Range	N/A	N/A	5 ms/div to 20 ns	5 ms/div to 20 ns	5 ms/div to 20 ns
Vertical Accuracy	±3%	±3%	±2.5%	±2.5%	±2.5%
Vertical Sensitivity	5 mV to 5 V/div	5 mV to 5 V/div	2 mV/div to 5 V/div	2 mV/div to 5 V/div	2 mV/div to 5 V/div
Horizontal Accuracy	±3%	±3%	±2%	±2%	±2%
X10 Horizontal Accuracy	±5%	±5%	±3%	±3%	±3%
Sweep Speed (X10 mag.), Main	10 ns	10 ns	2 ns/div	2 ns/div	1 ns/div
Sweep Speed (X10 mag.), Delayed	N/A	N/A	2 ns/div	2 ns/div	1 ns/div
Trigger Modes	AUTO, NORMAL, TV, SGL Sweep	AUTO, NORMAL, TV, SGL Sweep	AUTO LEVEL, AUTO, NORMAL, TV LINE, TV FIELD (odd, even, or both), SGL SEQ	AUTO LEVEL, AUTO, NORMAL, TV LINE, TV FIELD (odd, even, or both), SGL SEQ	AUTO LEVEL, AUTO, NORMAL, TV LINE, TV FIELD (odd, even, or both), SGL SEQ
Trigger Delay	N/A	N/A	RUNS AFTER DELAY, TRIGGERS AFTER DELAY, TV LINE (from MAIN source)	RUNS AFTER DELAY, TRIGGERS AFTER DELAY, TV LINE (from MAIN source)	RUNS AFTER DELAY, TRIGGERS AFTER DELAY, TV LINE (from MAIN source)
Trigger Coupling (both Main and Delayed)	AC, DC	AC, DC	AC, DC, Noise Reject, HF Reject, LF Reject	AC, DC, Noise Reject, HF Reject, LF Reject	AC, DC, Noise Reject, HF Reject, LF Reject
Auto Setup	No	No	Yes	Yes	Yes
Store/Recall	No	No	4 front panel setups	4 front panel setups	4 front panel setups
Cursors and Readouts	Yes	Yes	Yes	Yes	Yes
CRT	2 kV	12 kV	14 kV	14 kV	14 kV
Warranty	One year	One year	Three years	Three years	Three years
Safety Certification	ETL, CSA	ETL, CSA	UL, CSA, IEC348	UL, CSA, IEC348	UL, CSA, IEC348

ORDERING INFORMATION

TAS 220 (Available 2/95)
20 MHz Two Channel Oscilloscope.

TAS 250 (Available 2/95)
50 MHz Two Channel Oscilloscope.

Both Include: Two 1X/10X 1.5 m Probes, Instruction Manuals

TAS 465
100 MHz Two Channel Oscilloscope

TAS 475
100 MHz Four Channel Oscilloscope
Both Include: Two P6109B 10X Voltage Probes, Instruction Manual, Reference, XYZs of Oscilloscopes: Analog and Digital Concepts

TAS 485
200 MHz Four Channel Oscilloscope
Includes: Two P6111B 10X Voltage Probes, Instruction Manual, Reference, XYZs of Oscilloscopes: Analog and Digital Concepts.

TAS 400 INSTRUMENT OPTIONS
Front Cover – Order 016-1158-00

Pouch – Order 200-3732-01

Rackmount Kit – Order 016-1166-00

SERVICE ASSURANCE OPTIONS
These products covered by the following service assurance options:

REP4200 – Provides One Year of Post-Warranty Repair Protection

CAL4200 – Provides One Year of Calibration Services

PROBES

Differential – 100 MHz, active differential, 6 ft. Order P6046.

High Voltage –
100X, 250 MHz, 2500 V 2.75pf/10MΩ, 10 ft. Order P5100.
100X, 120 MHz, 1500 V, 2.5 pF/10 MΩ, 9 ft. Order P6009.
1000X, 75 MHz, 20 kV, 3.0 pF/100 MΩ, 10 ft. Order P6015A.

General Purpose –
1X, 15 MHz, 100 pF/1 MΩ, 2 m. Order P6101B.
10X, 100 MHz, 13.2 pF/10 MΩ, 2 m. Order P6109B.
1X-10X Switchable, 1X: 10 MHz, 100 pF/1 MΩ; 10X: 100 MHz, 18 pF/10 MΩ, 2 m. Order P6129B.

Surface Mount–
10X, 200 MHz, SMD Probe (2 each). Order P6561AS.

Logic –
20 MHz, 17 bit, word recognizer/trigger. Order P6408.

Current –
935 Hz to 120 MHz, 3 A continuous AC. Order P6022.
120 Hz to 60 MHz, 7.5 A continuous AC. Order P6021.
DC to 50 MHz System (includes AM503A, A6302 20A probe,TM502A). Order AM503S.

Product(s) available through your local Tektronix representative (listed in the back of this catalog)

ISO 9001
ACCREDITED BY THE DUTCH COUNCIL FOR CERTIFICATION

Tektronix Measurement products are manufactured in ISO registered facilities.