

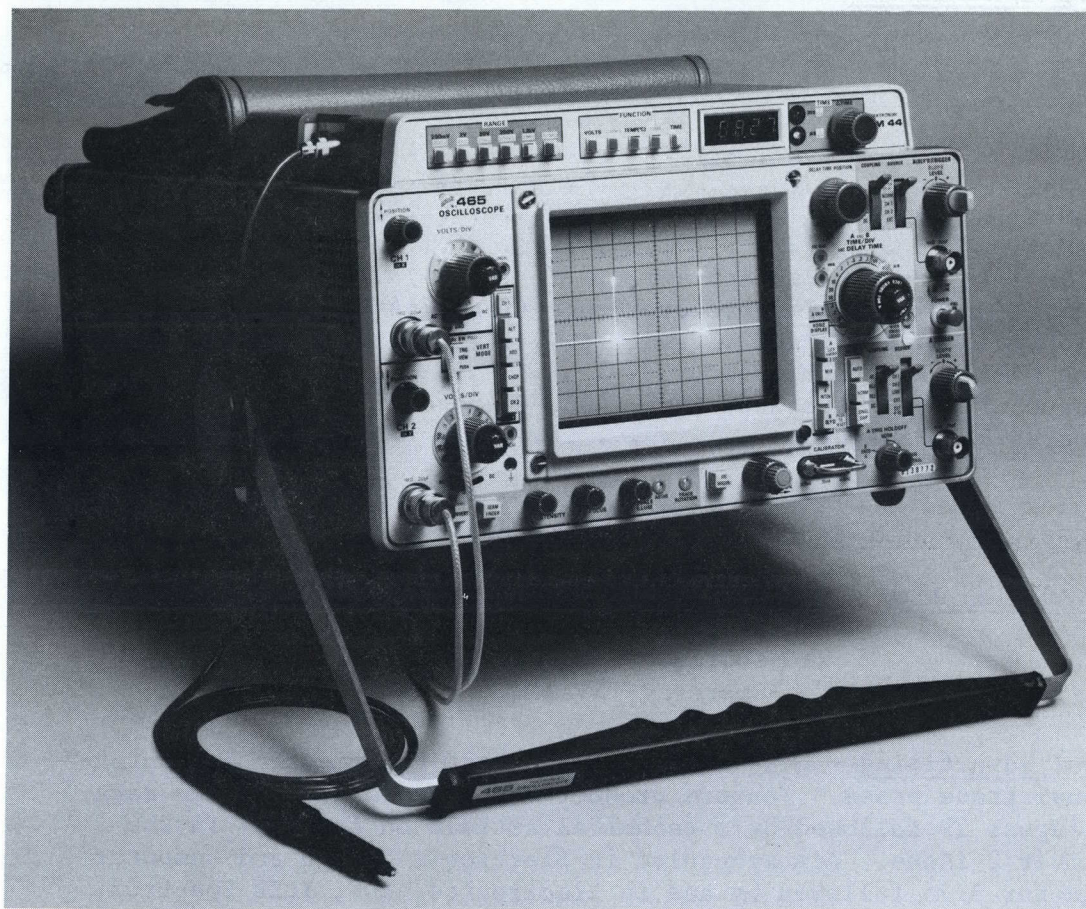
MARKETING SALES RELEASE



FILE

DATE July 16, 1976

DM44 TIME INTERVAL READOUT AND MULTIMETER



The optional DM44 adds Delta Delayed Sweep, direct numerical readout of time intervals, and a DMM (dc voltage, ohms, and temperature) to the 464, 465, 466, 475, and 475A* Portable Oscilloscopes. It replaces the DM40 and DM43 with a single improved unit (Delta Delayed Sweep and 1/Time added).

All DM44's have temperature measurement circuitry built in. The P6430 temperature probe is included in the standard package. As an option, the probe can be omitted for a lower price.

The DM44 differentiates TEKTRONIX Portables from the competition on the basis of performance. It gives us the only 100 MHz, 200 MHz, and storage portables with Delta Delayed Sweep and direct readout of time intervals. Value compared with HP is excellent. The 475A DM44 is more than a match for the HP 1722A and underprices it by \$ 1190.

*475A (250 MHz 5mV/div) being announced simultaneously with DM44.

COMPANY CONFIDENTIAL

Public Announcement August 16, 1976

Price

464 DM44 \$4260
465 DM44 \$2555
466 DM44 \$5010
475 DM44 \$3410
475A DM44 (order 475A option 44). \$3710
Option 01-Omit P6430 Temperature Probe (for 475A DM44 order
option 45) Subtract \$ 85
Option 04-Emc Environmental Add\$ 125
Option 05-TV Sync Separator (465, 466, & 464 only).Add\$ 185
Option 78-P11 Phosphor. No charge

Customer Availability - 4 weeks from receipt of order

Demo Availability - 160 U.S. demos to be shipped wk 33
160 international demos to be shipped wk 33
210 sourced from U S, 55 sourced from
Guernsey, 55 sourced from Herenveen.

Initial Advertising - News release to be sent to domestic and international trade press. Feature product coverage in Electronics magazine August 19 followed by a technical article on the DM44 in the September 2 issue. Ads scheduled in Electronic Design and Computer Design for 9/76 followed by ads in Electronics, EDN, IEEE Spectrum, EE Times, and Industrial Research. Eight-page, four-color brochure (A-3373) available before announcement. Direct mail (starting 8/76) via TIDS (Technical Information Distribution Service), Mailman, Electronic Design, IEEE Spectrum and Electronics.

Beaverton Responsibilities

Marketing	Milt Ringe	X5824
Advertising	Bob Down	X6974
Service Support	Sherm Feetham	X5764

DM44 SpecificationsTiming MeasurementsDifferential Time Delay Accuracy-

+15°C to +35°C	-15°C to +55°C	
used with 464, 465, 466, 475, and 475A	used with 464, 465, and 466	used with 475 and 475A
within 1% of reading ± 1 count	within 2.5% of reading ± 1 count	within 1.5% of reading ± 1 count

1/Time Accuracy -

+15°C to +35°C	-15°C to +55°C	
used with 464, 465, 466, 475, and 475A	used with 464, 465, and 466	used with 475 and 475A
within 2% of reading ± 1 count	within 3.5% of reading ± 1 count	within 2.5% of reading ± 1 count

Common Mode Accuracy-

As the delayed time position is moved, the displayed time change is accurate within 1 count for 1 div or more separation between the intensified spots (2 sec range over full screen).

Dc Voltage

Ranges- 0-200mV, 0-2V, 0-20V, 0-200V, 0-1.2KV

Resolution- 100 μ V

Accuracy- Within 0.1% of reading \pm 1 count

Input Resistance - 10 M Ω for all ranges. Removal of an internal strap increases resistance to approximately 1000 M Ω on 200 mV and 2V ranges.

Normal Mode Rejection Ratio- At least 60 dB at 50 Hz and 60 Hz

Common Mode Rejection Ratio- At least 100 dB at dc, 80 dB at 50 Hz and 60 Hz

Recycle Rate- Approximately 3.3 measurements/second

Response Time- Within 0.5 second

Temperature Dependence - Within 45 ppm/ $^{\circ}$ C

Maximum Safe Input Voltage- \pm 1200 V(dc + peak ac) between + and common inputs or between + and chassis. \pm 500 V(dc + peak ac) common floating voltage between common and chassis.

Resistance

Ranges- 0-200 Ω , 0-2k Ω , 0-20k Ω , 0-200k Ω , 0-2 M Ω , and 0-20 M Ω

Resolution- 0.1 Ω

Accuracy-

Range	Accuracy
200 Ω	within 0.25% \pm 1 count + probe resistance
2k Ω , 20k Ω , 200k Ω , 2 M Ω	within 0.25% \pm 1 count
20 M Ω	within 0.3% \pm 1 count

Recycle Rate- Approximately 3.3 measurements/second

Response Time-

200 Ω through 200k Ω ranges	within 1 sec.
2 M Ω and 20 M Ω ranges	within 5 sec.

Maximum Safe Input Voltage 120 V rms between + and common inputs

Temperature Using P6430 Probe

Range - -55°C to $+150^{\circ}\text{C}$

Accuracy -

DM44 Temp	P6430 Tip Temp	Accuracy	
		probe calibrated to DM44	probe not calibrated to DM44
$+15^{\circ}\text{C}$ to $+35^{\circ}\text{C}$	-55°C to $+150^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$	$\pm 6^{\circ}\text{C}$
-15°C to $+55^{\circ}\text{C}$	-55°C to $+125^{\circ}\text{C}$	$\pm 3^{\circ}\text{C}$	$\pm 8^{\circ}\text{C}$
	$+125^{\circ}\text{C}$ to $+150^{\circ}\text{C}$	$\pm 4^{\circ}\text{C}$	$\pm 8^{\circ}\text{C}$