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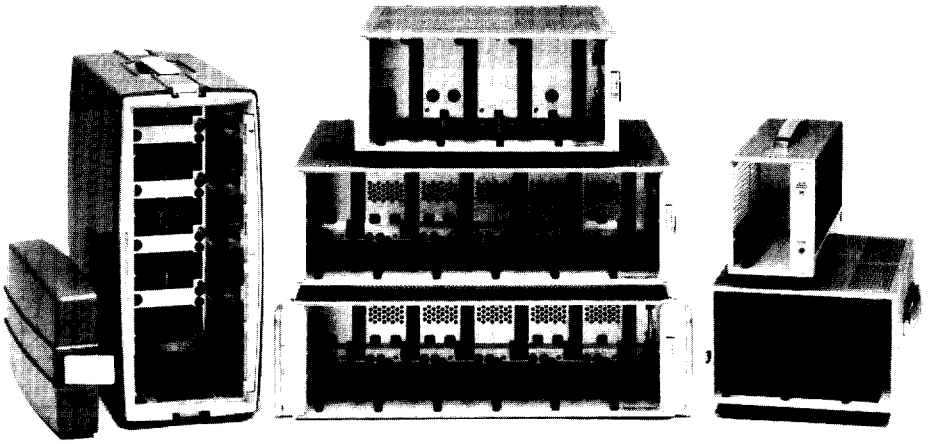
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Find the *Tektronix TM501* at our website: ***Click HERE***



Shown above are the TM 515, TM 504, TM 506, RTM 506, TM 501 and TM 503 mainframes.

The TM 500 mainframes and plug-ins allow the multifunctionality of a package of instruments. Hundreds of instrumentation packages for specific tasks can be configured.

The TM 500 plug-ins operate in any of six mainframes. One single-width plug-in instrument is accommodated by the TM 501. Up to six instruments can be accommodated in the TM 506 bench-top mainframe and the RTM 506 rackmount mainframe. Three and four-wide mainframes are also available and the five-wide Traveler Mainframe provides for applications that require portability.

Benchtop

Four benchtop mainframes are available. The TM 501 is the most compact. The TM 503 accommodates three single-wide plug-ins. The TM 504 and TM 506 each include a high-power compartment at the right-hand end to supply higher current levels to instruments that provide higher performance or higher output levels. The TM 506 incorporates a quiet fan for optimum cooling. All benchtop models have feet, tilt-bails, handles, front-panel power switches and operate from 110 V ac to 220 V ac.

Portability

All benchtop models have carry handles, sturdy cordwrap rear feet plus optional protective front covers to further enhance portable applications. The TM 515 Traveler Mainframe, designed for superior, multi-instrument portability, is a handsome piece of luggage with molded feet on the bottom and a comfortable, luggage-type handle. It is extremely moisture and dust resistant and designed to withstand the rigors of transport in car trunks and pickup trucks. The rear cover pops off to access the power cord, power switch and allow airflow for the built-in fan.

Rackmount

The RTM 506 rackmount mainframe is electrically identical to the TM 506. It features a slide assembly and handles, plus a higher-power fan to accommodate the higher ambient temperatures often found in enclosed racks and consoles. It is also possible to convert two TM 503's into a rackmount assembly with a kit. This kit has the advantage of requiring four inches less depth than the RTM 506 for space-critical applications, but lacks the fan and the high-power compartments. Other kits are available to rackmount a single TM 503 or a TM 503 with a monitor.

Rear Interface Capability

Most TM 500 plug-in modules contain a duplication of the front-panel input and output connections in the back. Some plug-in modules also have additional signal or control lines that are present only at the back of the instrument. These signals are available at the rear edge-card connector of each plug-in. Any module can be internally connected through the mainframe and also externally interfaced out the back panel.

The TM 515 traveler mainframe is available with the Option 05 interface which includes everything in the Option 02 except the rear panel multi-pin connector, the mating cable connector, and the BNC connector.

Economy

Reduced cabling costs made possible by the rear-interface capability, and the reduced space requirements for a measurement system all contribute to unprecedented economy for test and measurement requirements.

CHARACTERISTICS

ENVIRONMENTAL

Temperature Range — Operating: 0°C to +50°C. Nonoperating: −55°C to +75°C.

Altitude Range — Operating: Sea level to 4600 m (15,000 ft). Nonoperating: Sea level to 15 000 m (50,000 ft).

POWER REQUIREMENTS

All of the mainframes have manually selectable taps on the power transformer which permit operation on 100 V, 110 V, 120 V, 200 V, 220 V, or 240 V ±10%.

Power Line Frequency Range — TM 501/TM 503: 48 Hz to 440 Hz. TM 504/TM 506/RTM 506/TM 515: 48 Hz to 66 Hz. TM 515 (Purchased with Option 06): Extends upper power line frequency range to 440 Hz.

Maximum Power Consumption — See table

ORDERING INFORMATION

TM 501 Power Module Mainframe **Includes:** Instruction manual (070-1304-01).	**$425**
Option 02 — Rear Interface.	**+$60**
TM 503 Power Module Mainframe **Includes:** Instruction manual (070-1305-01).	**$390**
Option 02 — Rear Interface.	**+$90**
TM 504 Power Module Mainframe **Includes:** Instruction manual (070-1716-02).	**$480**
Option 02 — Rear Interface.	**+$120**
TM 506 Power Module Mainframe **Includes:** Instruction manual (070-1786-02).	**$660**
Option 02 — Rear Interface.	**+$180**
RTM 506 Rackmount Power Module Mainframe **Includes:** Instruction manual (070-1786-02).	**$725**
Option 02 — Rear Interface.	**+$190**
TM 515 Power Module Mainframe **Includes:** Instruction manual (070-2020-02).	**$690**
Option 05 — Rear Interface.	**+$90**
Option 06 — 48 Hz to 440 Hz Fan.	**+$170**

OPTIONAL ACCESSORIES

Rear Interface Data Book — Order 070-2088-04	**$12.00**

Mainframes Dimensions and Weights (Without Plug-Ins)

	TM 501		TM 503		TM 504		TM 506		RTM 506		TM 515	
Dimensions	**mm**	**in**	**mm**	**in**	**mm**	**in**	**mm**	**in**	**mm**	**in**	**mm**	**in**
Width	99	3.9	221	8.7	305	12.0	442	17.4	483	19.0	381	15.0
Height	152	6.0	152	6.0	152	6.0	152	6.0	133	5.3	173	6.8
Depth	389	15.3	432	17.0	508	20.0	508	20.0	480	18.9	508	20.0
Weight ≈	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**
Net	2.4	5.4	4.3	9.5	8.4	18.5	13.2	29.0	14.4	32.0	10.2	22.5
Shipping	5.9	13.0	7.7	17.0	11.8	26.0	18.6	41.0	21.0	46.0	13.6	30.0
Max Power Consumption*[1]	85 VA		250 VA		460 VA		670 VA		670 VA		500 VA	

*[1] *Actual power consumption depends on plug-in selection and operating modes.*

To order, call your local Tektronix Sales Office, or call Tek's National Marketing Center, toll free: 1-800-426-2200, Ext 99. In Oregon call collect: (503) 627-9000, Ext. 99

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