

MODEL 3026

ASCOR Model 3026 Dual Chassis VXI Mainframe



ASCOR's unique Model 3026 Dual-Chassis VXI Mainframe – with its 26 interconnectable "C-size" slots - provides a highly flexible, cost-effective approach to low noise, high performance VXI testing.

- **Combines Capabilities of two Single-Chassis VXI Mainframes Without External Wiring**
- **Supports Optional Intermediate Level Switching for Maximum Utilization of Station Resources**
- **Supports ASCOR or Other Manufacturers' VXI Modules**
- **Rugged, High Performance, Low Noise Design**
- **Choice of ITA Receiver Mechanisms**

Maximum Mainframe

ASCOR's Dual-Chassis 26-slot VXI Mainframe delivers two impressive benefits. First, it lets you inexpensively double your available slots without resorting to external wiring. Second, its optional I-Level Switching capability lets you dramatically increase the utility of your VXI resources, while easily accommodating custom configurations.

Top Of The Line

Of course, the Model 3026 also delivers the industry-leading high reliability and low noise attributes that define all ASCOR VXI products – combining an ultra-quiet 1200 or 1500 watt switching power supply, a state-of-the-art backplane, and a highly efficient six-fan cooling system with its fully-shielded double chassis – to reliably house your VXI test environment and ensure the integrity of your measurements.

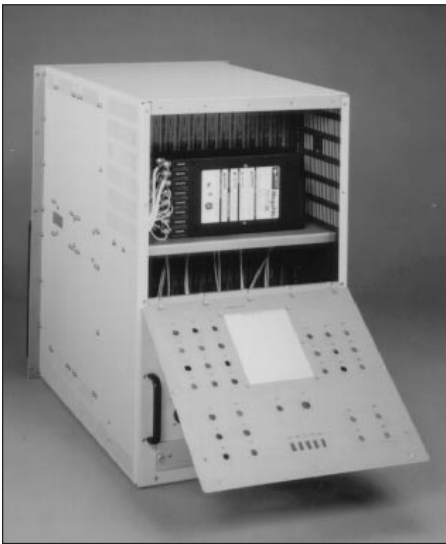
An End To Cable Chaos

The Model 3026 stacks two ASCOR chassis in a single cabinet. ASCOR's highly directed cooling system resides between the two levels, ensuring a minimum of 75 watts of heat dissipation per slot. Any of the resulting 26 "C-size" slots can be easily interconnected through both hard wiring and software control. Thus, maximum signal separation and excellent EMI suppression are ensured throughout the system. Normally, the two levels are interconnected using VXI/MXI control modules.



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ASCOR's Model 3026 houses up to 26 interconnectable "C-size" VXI modules with easy rear access.

Features Include:

- Power supply indicators
- Visual and audio over heat indicators
- Temperature controlled fan speed
- VXIbus installed slot indicators
- Front panel on/off and reset

Quiet Ideas. Powerful Solutions. ASCOR, founded in 1987 and headquartered in California's Silicon Valley, provides a complete line of VXI Switching and Digital Modules for industrial, medical, scientific and governmental automatic test applications. ASCOR VXI products are the quietest, cleanest, highest density VXI modules commercially available.

Quiet Power

The Model 3026 incorporates the industry's most reliable, high performance switching power supply – either 1200 or 1500 watts, featuring auto-ranging, and built-in temperature and overload protections. The power supply is accessed by a convenient hinged rear panel.

Easy Manageability

For further manageability and reliability, the Model 3026 supports local and remote monitoring of its backplane and power diagnostics, as well as supporting soft start-ups and shutdowns.

In addition the Model 3026 supports your choice of standard ITA receiver mechanisms, including MAC Panel, Virginia Panel and ASCOR's own design.

Optional Features

- The ASCOR TCXO 10 MHz clock reference, is a cost effective precision alternative to the standard VXI CLK10 clock. The ASCOR TCXO clock offers an accuracy of one part in a million, 0.0001%, over a wide range of operating environments and stability with time. The ASCOR TCXO precision clock has two coax outputs, one to replace the VXI CLK10 to slot zero, and a convenient output to facilitate metrology. The crystal is contained in a constant temperature package and biased by on-board voltage regulators; providing a cost effective 10 MHz precision clock reference.
- Customizable rear panels.
- Intermediate or I-Level Switching allows you to boost the functionality of VXI modules through interconnections.
- 13 slot "D-size" VXI version available (3013 D)

Specifications

Dimensions:

- 28" H
- 26" D
- 19" W

Weight:

- 75 lbs

Power Supply Outputs:

- 1200 watt -standard
 - +5 VDC at 80 Amps
 - +12 VDC at 16.7 Amps
 - 12 VDC at 16.7 Amps
 - +24 VDC at 8.3 Amps
 - 24 VDC at 8.3 Amps
 - 5.2 VDC at 28.8 Amps
 - 2 VDC at 20 Amps
- 1500 watt - optional
- Autoranging — 90 to 132 VAC/180 to 264 VAC at 47 to 440 Hz

Backplane:

- 12 layers
- Timing/impedance-matched 50 ohm signal lines
- Auto configuring

Capacity:

- 26 "C-size" slots

**MIL-T-28800 Type III
Class 5, Style F
Optional Type II**

Temperature Range:

- Operating – 0°C to 60°C
- Storage – 40°C to 70°C

Acoustics:

- 50dBA @ full air flow

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.



4384 Enterprise Place, Fremont, CA 94538
Telephone: (510)490-2300, Fax: (510)490-8493, Website: www.ascor-inc.com

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