



“Results You Can Count On”

Model 458-2SL Multi-Channel Chassis

Accepts One or Two Plug-In Line Modules

Includes Chassis and Control Module

User-Friendly Interface

Field-Upgradeable Software

CE Certified



This compact unit is extremely easy to use and a perfect fit when only one or two-channel operation is required. Telebyte Model 458-2SL Chassis is ideal when testing DSL modems and other bandwidth-compliant telecom devices in a high-volume production line environment. The built-in Control Module interfaces with a PC or terminal via IEEE-488 or RS-232 to control loop-length settings or it can be used as a stand-alone unit. User-command language may be used for control of line modules. In addition, line length is displayed on the front of the unit and can be set via a rotary encoder. Our software is field-upgradeable through the RS-232 port. The same software is used for the 458-2SL and 458 chassis.

The Model 458-2SL is used with our advanced 458 Line Module series to simulate several cable types and offers the bandwidth requirements for today's xDSL technologies such as varieties of ADSL, G.Lite, HDSL, HDSL2, G.SHDSL (Annex 1), SDSL and VDSL2.

Product Specifications (Chassis and Control Module)	
Controls	Two rotary encoders on front of control module. Push-button switch for setting IEEE 488 address or RS-232 communication parameters.
Indicators	Backlit LCD display of line length and set up parameters.
Power	100 - 250 VAC, 50 or 60 Hz (universal power supply)
Size	[2U] 19 in W x 22 in D x 3.47 in H (482.6 mm W x 558.8 mm D x 88.1 mm H)
Environmental	Operating: +32 F to +122 F (0 to +50 degrees C) Storage: 0 to 95% relative humidity (non-condensing)
Remote Control Connectors	RS-232: DB9 female (DCE); GPIB: IEEE488 24-pin connector.
User Command Interface	ASCII command set compliant with IEEE 488.2 and Hex ASCII two-character bytes per 488 bus data byte. RS-232: HDX (Echo characters); Translate CR to CR + LF; baud rate: 300 to 19,200; commands use terminating character (carriage return); 8 Data bits; 1 stop bit.
Plug-In Compatibility	Accepts one or two 458 Line Modules

Specifications are subject to change without notice. Made in USA.



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The Model 458-2SL is used with these Line Modules:

Line Module	Technology	Cable	Lengths/Increments	Bandwidth
458-LM-20	ADSL, ADSL2, ADSL Lite ISDN, G.lite	26 AWG PIC Insulation	0-20.5 kft/500 ft	DC to 1.5 MHz
458-LM-E20	ADSL, ISDN, SHDSL/G.SHDSL (Annex A)	0.4 mm PE Insulation	0-6.15 km/150 m	DC to 1.5 MHz
458-LM-HD	ADSL2++	26 AWG PIC	Channel 1: 0 - 31,750 ft/250 ft Channel 2-8: 0-30,000 ft/2,000 ft	DC to 4.5 MHz
458-LM-HDE	ADSL2++	0.4 mm PE	Channel 1: 0 - 9,450/150 m Channel 2-8: 0-9,000/600 m	DC to 4.5 MHz
458-LM-HDJ	ADSL2++	0.4 mm Paper	0 km to 7.5 km/500-m	DC to 4.0 MHz
458-LM-A2-18	ADSL, ADSL2, ADSL2+, ADSL2++, VDSL, VDSL2(Profile 17a)	24/26 AWG	0-16,000 ft/100 ft	DC to 18 MHz
458-LM-A8-18	ADSL, ADSL2, ADSL2+, ADSL2++, VDSL, VDSL2(Profile 17a)	26 AWG PIC	0-15,000 ft/1,000 ft	DC to 18 MHz
458-LM-E2-18	ADSL, ADSL2, ADSL2+, ADSL2++, VDSL, VDSL2(Profile 17a)	0.4/0.5 mm PE Insulation	0-8,000 m/50 m	DC to 18 MHz
458-LM-A2-36	ADSL, ADSL2, ADSL2+, ADSL2++, VDSL, VDSL2	24/26 AWG	0-3,150 ft/50 ft	DC to 36 MHz

Refer to individual datasheets for detailed information.