

Signal Analyzer Unit — Type 2035

Signal Analyzer Unit Type 2035 is a mainframe unit fitted with a 12" raster scan screen, a disk drive and a keyboard. It houses the signal and display processors, the memories, and all the hardware that is needed for analysis and system control. Type 2035 is the platform on which all 3550 system configurations are built.

In all configurations, 2035 must be fitted with a zoom processor, and loaded with Dual-channel Analysis Software Type 7649.

Dual-channel 3550 System

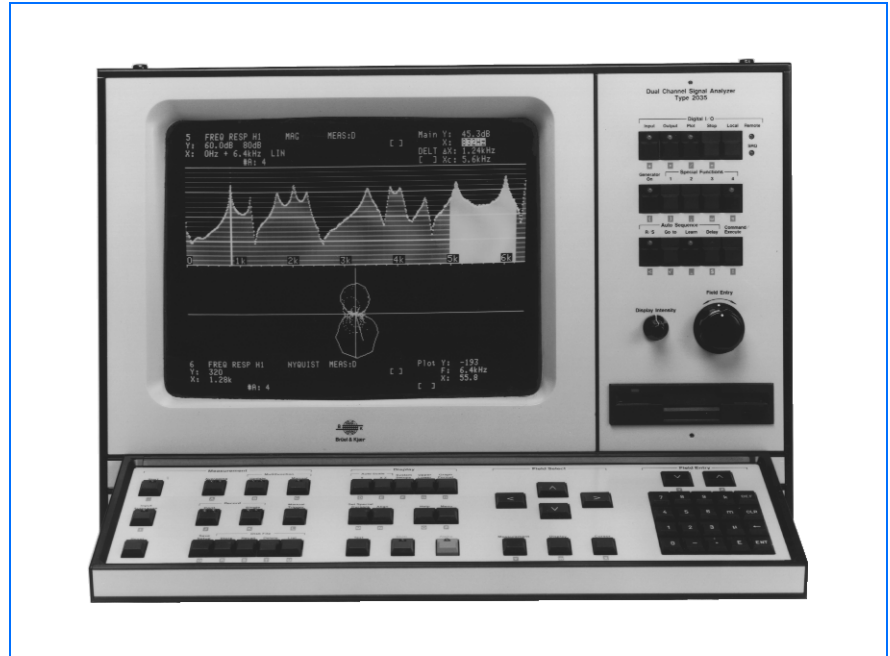
For single- and dual-channel applications the 2035 is fitted with a zoom processor, two single-channel input modules, and a generator/sampling or sampling module. The system will not support only one single-channel input module installation.

Multichannel 3550 System

To perform multichannel analysis in up to eight channels, the 2035 can be fitted with up to two 4-channel input modules. The program key for Type 7674 4/8-channel Analysis Software is used to unlock the system's multichannel functionality.

For measurements in up to 16-channels the 2035 can be fitted with a multichannel interface (Type 7520) and loaded with Multichannel Analysis Software 7640. Modules are installed in one or two Multichannel Data Acquisition Units Type 2816 connected to the 2035.

All multichannel applications, whether using Type 7674 or Type 7640 software options, require that the 2035 be fitted with a 100 kHz/Multichannel Zoom Processor Type



3157, and must include the program key for Type 7649 Dual-channel Analysis Software.

Disk Drive

The floppy disk drive in the 2035 enables analysis software to be loaded from disk. It also enables measurements, setups, user-defined functions and autosequences to be permanently stored on disk.

Formatted disks are compatible with PC/MS-DOS so that data can be easily transferred to an external computer which also runs under MS-DOS, or a compatible platform.

External Keyboard NP0028

NP 0028 is an optional keyboard that can be used for alphanumeric entry of user-definable functions, autosequences, comment lines and text pages.

System Outputs

Outputs for hard copy, and for PC communication, are provided by the RS-232 and IEEE/IEC connectors on 2035. Connectors are also provided for video output, for power supply to Simulator Unit ZZ0220, and for the External Keyboard NP 0028.

If no input or sampling/generator modules are installed in the 2035, slots A, B and C come covered with Blank Panel FA 1141.

Specifications 2035

<p>Signal Analyzer Unit Type 2035 is a mainframe unit fitted with a 12 inch raster scan screen, a disk drive and a keyboard. It houses the signal and display processors, the memories and hardware needed for analysis and system control. In all configurations, the 2035 must be fitted with a zoom processor and loaded with Dual-channel Analysis Software Type 7649.</p>			<p>Generator & Sampling Module Type 3106 25kHz Zoom Processor Type 3156</p>		
<p>DISPLAY: Type: Built-in 12 inch TV-raster scan monitor Picture Resolution: 290×512 dots, where graph area is 512 or 401 dots wide Scale Lines: Horizontal scale lines and x-axis with check marks MASS STORAGE: Built-in floppy disk drive for storage of measured data, setups and programs Data Media: Removable 3¹/₂ inch dual-sided, high-density micro-floppy disk Data Format: Compatible with PC/MS-DOS from version 3.2, except subdirectories Formatted Capacity: 1.44Mbytes File List: Contains disk identification, with user-definable disk name and file list sorting key. Each file is identified by user-definable file name, data type, size, and time of store IEEE/IEC INTERFACE: Conforms to IEEE-488.1 and IEC625-1 standards. Functions Implemented:</p>			<p>GENERAL: Cabinet: Supplied as model A (lightweight metal cabinet), or C (as model A but with flanges for standard 19 inch racks) Dimensions (A-cabinet without feet): Height: 310.4mm (12.2in) Width: 430mm (16.9in) Depth: 500mm (19.7in) Weight: 34kg (75lb.) without modules 36kg (79lb.) when fitted with: 2 25kHz Input Modules Type 3019 Generator & Sampling Module Type 3106 25kHz Zoom Processor Type 3156</p>		
<p>Source Handshake SH1 Acceptor Handshake AH1 Talker T5 Listener L3 Service Request SR1 Remote/Local RL1</p>			<p>ACCESSORIES INCLUDED: Mains cable 2×AO 0087: BNC to BNC Coaxial Cable BI0510: Instructions for use of Digital Hardware Test Program BI0543: Instructions for use of Analog Hardware Test Program BZ5041: Digital Hardware Test Program BZ5076: Analog Hardware Test Program JJ0152: BNC T-connector QA0049: Allen key, 2.5mm QA0153: Allen key, 2.0mm 2×VF 0091: Spare fuses T 2AH/250V 3×VF 0092: Spare fuses T 4AH/250V ACCESSORIES AVAILABLE: KS 0027: Rack Mounting Flanges</p>		
<p>Parallel Poll PP0 Device Clear DC1 Device Trigger DT1 Controller C1, C2, C28 RS-232 INTERFACE: (Only output) Conforms to EIA standard RS-232-C (equivalent to CCITT V.24). Coupled as a "Data Terminal Equipment" (DTE) Connector 25-pin D-range (male) Mode of operation Full duplex Number of data bits 8/7 Number of stop bits 1/2 Baud rates 300, 600, 1200, 2400, 4800, 9600, 19200 Parity None/Even/Odd Synchronization Hardwired/(X-on/X-off)</p>			<p>INPUT/OUTPUT: Serial Interface 1 and 2: Up to two 2816 can be connected directly to 2035 using 1 cable AO0370 per 2816 Simulator Unit: 7-pin DIN socket for powering the simulator unit ZZ0220 Keyboard: 5-pin socket for connecting a standard "QWERTY" keyboard NP0028 Video Output: For video hard copy units, recorders and monitors. Composite video signal. 1 V peak-to-peak into 75 Ω Vertical Scan Frequency: 50 Hz Output Impedance: 75 Ω POWER REQUIREMENTS: Voltage: 90 – 140 V AC or 180 – 264 V AC Frequency: 47.5 – 420 Hz Power Consumption: 300 – 350 VA when fitted with: 2 25kHz Input Modules Type 3019</p>		