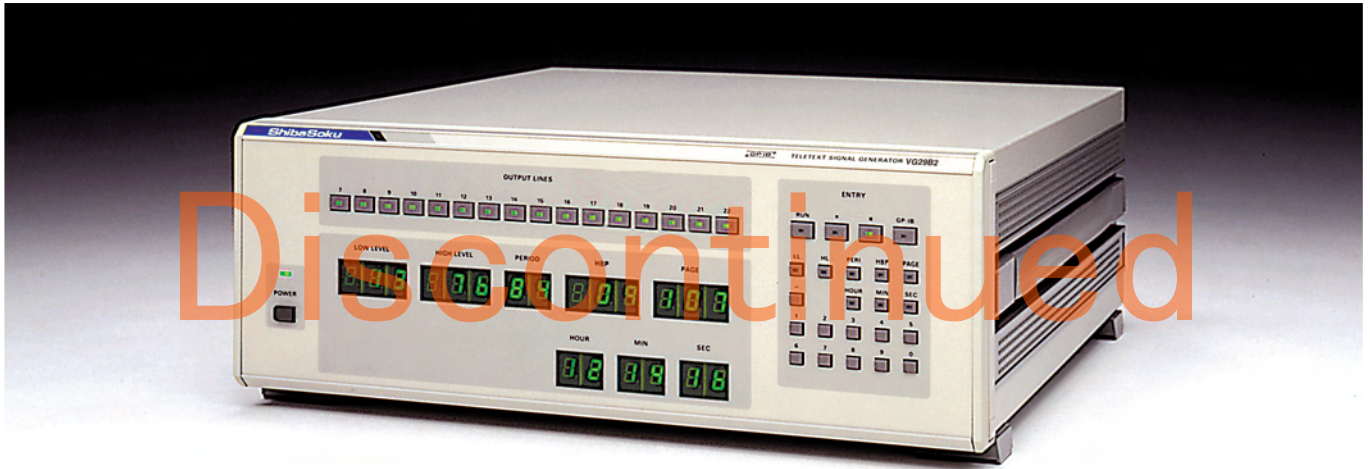


VG29B2

TELEVISION INSTRUMENTS

TELETEXT SIGNAL GENERATOR



General

The VG29B2 is a PAL-system signal generator designed to conform to the teletext broadcasting systems employed in most European countries. In the VG29B2, teletext signals are superimposed on the composite VBS signal which is input from an external signal source, and the resulting signals are output from the VG29B2. Superimposing position from the horizontal sync signal, output level, calendar and other factors can be set freely via controls on the front panel. Designed to support FLOF, TOP, and PDC systems, the VG29B2 is also ideal as a signal source for research and development, manufacture and inspection of TV receivers, teletext decoders for VCRs and other related equipment. A ROM-specifications model that can generate a teletext signal from a built-in generator and a RAM-specifications model that permits storage of teletext signals produced by the user into a built-in RAM via GP-IB are available, enabling users to select either one to suit the requirements of their operating environment.

General

- Conforms with the FLOF system (Full Level One Feature - 18 pictures are internally generated).
- Conforms with the TOP (Table Of Page - 40 pictures are internally generated).
- Conforms with the PDC system (2 pictures internally generated; four sets of 8/30 format 2 are incorporated).
- Each of the FLOF, TOP, and PDC functions can be turned on or off independently.
- A ROM or RAM specifications model can be selected in accordance with a customer's requirements.
- Superimposing lines of teletext can be turned on or off for the 7th (320) H to 22nd (335) H.
- The superimposing position of a teletext signal can be set for the horizontal sync signal.
- The output level of a teletext signal can be set.
- The date (year/month/day) generated from 8/30 format 1 can be set.
- The time (hour/minute/second) generated from 8/30 format 1 can be set.
- A GP-IB is provided as standard equipment.
- Russian/Arabic languages are available as options.

Specifications

- Television systems
PAL-B/G, I
- Input signals
 - Number of inputs 1
 - Input level VS: 1 Vp-p ± 6 dB (when terminated by 75 Ω resistor)
 - Connector type BNC, 75 Ω, loop-through
- Output signals
 - Video signals
 - Number of outputs 2
 - Connector type BNC, 75 Ω, unbalanced
 - Output level Input vs output level ratio = 1:1 (±0.5 dB)
 - Frequency response 8 MHz ± 0.5 dB
 - S/N ratio ≤ -40 dB
 - Teletext signals
 - Data output level 0.46 Vp-p ± 0.5 dB
 - Variable range 0 to 0.99 Vp-p (in 0.01 Vp-p increments)
 - Data clock frequency 6.9375 MHz ± 50 × 10⁻⁶
 - Data timing 12.0 μs ± 3%
 - Data set-up 0 V ± 0.5 dB
 - Variable range 0 to 0.99 Vp-p (in 0.01 Vp-p increments)
 - Data capacity
 - ROM specifications
 - Max. 256 pictures (18 FLOF pictures, 40 TOP pictures, and 1 PDC pictures are internally generated.)
 - RAM specifications
 - Max. 256 pictures (512 kbytes)
 - Superimposing lines
 - Superimposing positions can be set in a range from the 7th (320) H to the 22nd (335) H.
 - Number of superimposing lines
 - Max. 16 lines

Specifications

- Remote control GP-IB interface standards
- General specifications
 - Power supply AC 100, 120, 220, 240 V \pm 10%, 50/60 Hz
 - Power consumption
 - Approx. 80 VA
 - Operating temperature range
 - 0°C to 40°C
 - Relative humidity 25% to 90% RH (non-dewing)
 - Dimensions 426 (W) x 149 (H) x 460 (D) mm
 - Weight Approx. 13 kg

Pattern examples



P100



P108

Discontinued