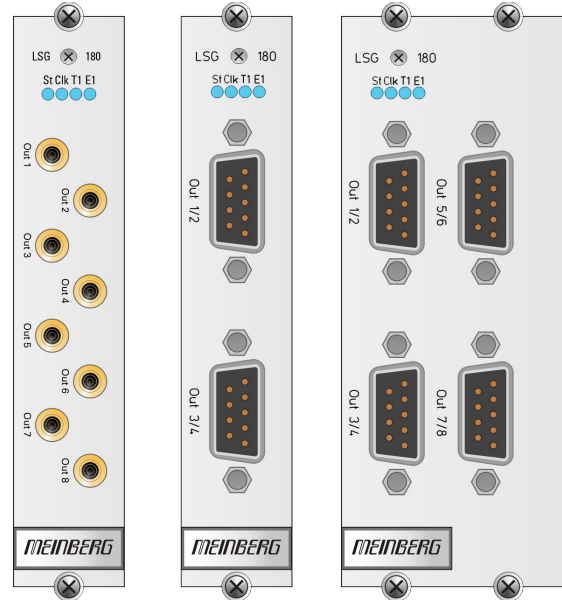


IMS-LSG180 - Line Signal Generator



LSG180 Module Types



LSG180-A, LSG180-2D and LSG180-4D

Generation of reference clocks for synchronization tasks

The module LSG (Line Signal Generator) generates different reference signals (Clock/BITS) which are derived from the GNSS-locked master oscillator of a preconnected satellite receiver.

Key Features

- Synchronization of telecom networks
- Synchronization of transmitters/base stations (GSM / CDMA / UMTS / DAB / DVB)
- Clock and Framed telecom outputs
- Reference frequency delivered by preconnected GNSS-receiver

Description

The module LSG180 is able to generate signals for the European E1-system and T1 - the North American digital communication operator standard. The clock outputs are standard frequencies of 2048 kHz or 2048 kBit/s. These output signals are fully compliant with ITU-T G.703/15 (for 2048 kHz) and ITU-T G.703/11 (for 2048 kBit/s).

The mode of operation can be configured via the web interface of the IMS management module (LAN-CPU).

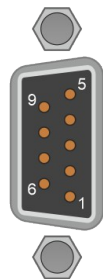
Up to eight balanced outputs are available via DIN 1.0/2.3 coax or 9pin D-Sub female connectors.

Output Signals:

- LSG180-A: 8 x 2048 kHz or 8 x 2048 kBit/s, unbalanced (75 Ohm) via 8 DIN 1.0/2.3 coax connectors (Out 1 - Out 8)
- LSG180-2D: 4 x 2048 kHz or 4 x 2048 kBit/s, balanced (120 Ohm) via 2 female D-SUB9 connectors (Out 1/2, Out 3/4)
- LSG180-4D: 8 x 2048 kHz or 8 x 2048 kBit/s, balanced (120 Ohm) via 4 female D-SUB9 connectors (Out 1/2, Out 3/4, Out 5/6, Out 7/8)

Pin Assignment: D-SUB9 connectors

- Pin 1: TRing
- Pin 2: TTip
- Pin 8: TRing
- Pin 9: TTip
- Pin 4/5/6: GND
- Pin 3/7: n.c.



Technical Specifications:

- Current Draw:** 5 V +-5%, 750 mA
- Temperature:** Ambient: 0 - 50 °C / 32 - 122 °F
Storage: 20 - 70 °C / 4 - 158 °F
- Humidity:** Max. 85 %

- Three-Year Warranty
- Lifetime Technical Support via Telephone or E-Mail including Firmware Updates