PHABRIX®

broadcast excellence

Configured as an entry level portable analyser, the TAG can be easily upgraded using a range of software options to provide a sophisticated instrument for testing broadcast infrastructures.

The PHABRIX® TAG has been created to incorporate new interfaces that appeal to customers looking for a cost effective entry into professional test and measurement.

The PHABRIX® TAG includes support for SD-SDI and HD-SDI as standard with the option to upgrade to 3G-SDI (Level A and Level B).

Composite analysis and generation has been incorporated to support those regions making the transition between analogue and digital television.
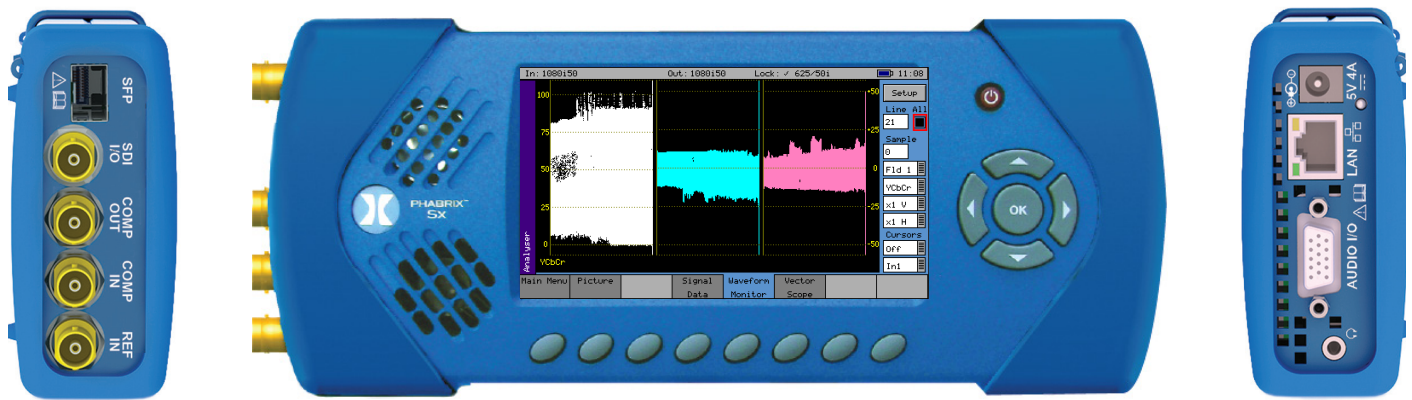
An SFP cage has been integrated into the design principally for optical infrastructure testing, however, the cage will support a wider range of SFPs as they become available. Composite locking reference generation and input reference waveform analysis have also been included.

For audio support the PHABRIX® TAG provides a D15 breakout connector providing both balanced analogue and AES input/output. AES waveform display allows a visual check of levels and reference lock. Advanced audio features including Dolby® E, Dolby® Digital and Dolby® Digital Plus are supported allowing TAG to be considered as a replacement for the discontinued Dolby® DM100.

FEATURE HIGHLIGHTS

- Multi-format Analyser/Monitor
- Analogue Composite PAL-I, PAL-N, PAL-N (ARG), PAL-M, NTSC-M, NTSC-M (JP)
- HD-SDI, SD-SDI & AES as standard
- High quality 16:9 picture monitor
- Waveform monitor, Vectorscope
- Reference waveform view, AES view
- 16 channel audio metering
- Balanced analogue audio I/O
- Dual SFP cage for SDI-Optical
- Comprehensive status logging
- Black & Burst or 75% Bars reference output
- SDI Generator option
- 3G-SDI and 2K format options
- SIGNAL DATA ANALYSIS option
- Dolby bitstream options available
- Superior ease of use
- Rugged reliability
- Ethernet based remote operation
- Battery + mains power
- Full range of Sx software options

PHABRIX® TAG Analyser/Monitor

MONITOR

Display resolution	480 x 272 pixels auto scaling
Display type	16:9 24 bit colour TFT
Display size	95 x 54 mm

SDI VIDEO INPUT/OUTPUT

SDI Formats	SD-SDI, HD-SDI, (3G-SDI Option) *See www.phabrix.com for supported SMPTE formats*
SDI Input/Output	1 x 75 Ohm BNC
EDH	Yes (SD-SDI)

REFERENCE INPUT/OUTPUT

Genlock	Bi/Tri/SDI with cross lock
Ref Generator	Bi-level PAL/NTSC +/- 5ppm
Generator timing	0 to 1 Frame WRT source
Reference output	Black & Burst or 75% Bars PAL/NTSC

COMPOSITE INPUT/OUTPUT

Composite Formats	PAL-I, PAL-N, PAL-N (ARG), NTSC-M, NTSC-M (JP)
Composite Input	1 x 75 Ohm BNC
Composite Output	1 x 75 Ohm BNC

SFP INPUT/OUTPUT

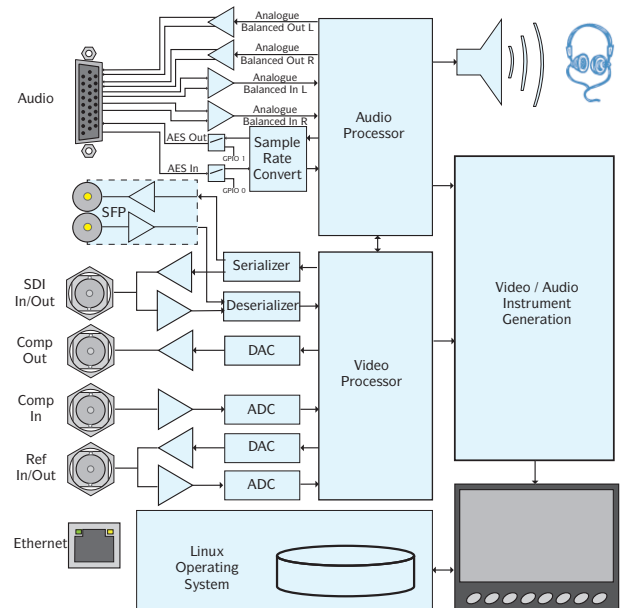|	
Interface	Single Tx, Single Rx or Transceiver (Non-MSA)
Module Types	SDI Fibre or SDI Coaxial See www.phabrix.com for supported modules

AUDIO

Internal speaker	0.5 watts
Audio DAC	24 bit stereo
Headphone socket	3.5 mm with auto line out
Generator/Monitor	48 kHz 20-bit (SD-SDI) 24-bit (HD-SDI)
Metering	16 channel PPM
AES output	75 Ohm AES Pair via 15-way D-type
AES input	75 Ohm AES Pair via 15-way D-type
Analogue output	Balanced stereo pair via 15-way D-type
Analogue input	Balanced stereo Pair via 15-way D-type

GENERAL

Navigation panel	5 menu keys, 8 custom select
Integral battery supply	2-3 hours lithium polymer
Internal Storage	2 GB
Remote control	Web Browser Interface
Ethernet	Web server, Remote control (TCP/IP Sockets
Carry Case	Included
AC power supply	Included (universal)
Security	Kensington™ lock fitting
Weight	900g
Size	H: 92mm W: 225mm D: 42mm

Schematic of the PHABRIX TAG

PHABRIX SFPs sold separately

Carry case and AC power supply as standard

ORDERING INFORMATION
Hardware
Product code   PHSXTAG

Options
Please see separate options sheet for available engineering upgrade features.

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