



The following software options are available for the SxA, SxD and SxE instruments and can be purchased via you local PHABRIX distributor. Visit www.PHABRIX.com for details.

In:	1080p	50	0.	Jt: 16	80p56)	Lo	ck	Free					10:01
		2635	2636	2637	2638	2639	0	1	2	3	- 4	5	6	Ture
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		200	3FF 3FF	000 UUU	000 UUU	2AC 200	200	200 US1	200 157	200 294	200 36A	200 340	200 3AC	
	- 41 Å	200	3FF	000	000	200	200	200	200	200	200	200	200	
		640	SEE	000	000	200	R4R	A81	157	294	366	3AC	3AC	
	42 č	200	3FF	000	000	200	200	200	200	200	200	200	200	
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The **SDI** analysis option provides the engineer with a detailed view of the data words contained within the SDI stream. This allows the analysis of complex faults and is particularly useful when determining compatibility issues between equipment and when debugging new product developments particularly in a R&D environment.

Order reference PHSXOSD



The **Command scripts with print report option** allows a series of pre-defined actions such as controlling the generator, analyser and logging functions within the PHABRIX instrument using a script stored in internal memory. A print report feature allows an internal HTML form to be auto filled with parameters set and subsequently downloaded and printed. Exceptional ease of use.

Order reference PHSXOS



The **Enhanced remote control option** allows full remote control of the instrument via TCP/IP Sockets to allow any aspect of the unit to be modified or queried. Complex applications can be created to perform test and measurement functions such as automated testing of routers or other broadcast equipment and infrastructure.

Order reference PHSXOR



The **Programmable moving zone plate option** can be used to test a range of video processing requirements using horizontal, vertical and temporal (time) controls. Temporal control is particularly useful for testing up/down converters/monitors and applications which compress signals.

Order reference PHSXOZ



The Advanced formats option includes 4:2:2 YUV, 4:4:4 RGB and 4:4:4 YUV at 10/12 bit and 3G level A and B and is available for the SxA and SxE only. This option supports the new SDI practice for HD and 3G Level A and Level B signal transfer of 2K advanced formats including 4:2:2 Y'C'BC'R, 4:4:4 R'G'B' and 4:4:4 Y'C'BC'R at 10/12 bit as well as 4:4:4 X'Y'Z' at 12-bit.

Note that SxD comes with these formats as standard.

Order reference PHSXOF

	G1-P1	Ref	la.	-60.3us	tarts at: Line -1 🔳 I	deal Ext.Ref	
PgmCon FrameR Bit Des	te 25		Programs Orig.Rate TimeCode	2 25 00:00:00:0	9 Error	°s 0 Clear	r
StartGa: End Gain				0.0d8 0	.edB 0.0dB 0dB 0.0dB	0.0dB 0.	R2 .0d
	e 38 ye Fi Sunnd n/ Mod Lt DnMx -4	4k s lmStd i ∕Rt Pref. .5dB	ption: 5.1 Dialog Norn BsMod Ctr DnMix MixLevel LR Ctr DnM LRo Sur Dn LPF	n -7d8 CompMain -4.5d8 100d8 x -3d8 Mx -4.5d8	Chan Mode Line Mode Sur.DnMix Room Type LR Sur Dn D Sur Ex LFE Filte	MusicSto -6dB large/X Mx -3dB Off	
	Filter ye ream ye Video		Sur 3dB At RF Ov Prot Audio		Copyright		0

The **Dolby bit-stream Analyzer option** (PHSXOBD-A) displays Dolby E, Dolby Digital and Dolby Digital Plus metadata present in a selected audio stream and determines whether the Dolby E packet is timed correctly on the SDI video stream. The Dolby audio may be monitored from any of the SDI input embedded audio channel pairs or the AES input. Peak audio levels are also displayed for Dolby E.

Order reference PHSXOBD-A

Dolby-E 📕 Ramp Var	Config 5.1		by-E Frame S .ne: 0	Relative to Ideal
	Frame Rate :	25 Or	ig Rate 25	
Default	Program 1	Descripti	on Program	1 Description
Dialog Norm	-27dB	Chan Mode	3/2	LFE LFE Filter
BsMod	CompMain 🔳	Line Mode	none	HPF
Ctr DnMix	-3.0dB	RFMode	none	LPF
Sur.DnMix	-3.0dB	Room Type	n⁄i I	Sur 3dB Att
LRoCtrDnMix	+3.0dB	MixLevel	80	Sur Ph-Filter
LRoSurDnMix	+3.0dB	DolbySurnd	n⁄i.	Orig.Stream
LR CtrDnMix	+3.0dB	DownMixMod	n⁄i 📕	Copyright
LR SurDnMix	+3.0dB	D Sun Ex	n∕i	87 807 THER.

The **PHABRIX Sx Dolby bit-stream generator option** (PHSXOBD-G) uniquely adds significant Dolby E, Dolby Digital and Dolby Digital Plus metadata generation features to the Sx range.

Order reference PHSXOBD-G

Dolby-E 📕 Ramp Var	Config 5.1	12 -	by-E Frame ne: 0		Relative to Ideal
	Frame Rate :	25 Or:	ig Rate 25	5	
Default	Program 1	Descriptio	on Progra	m 1 D	escription
Dialog Norm	-27dB	Chan Mode	3/2		LFE LFE Filter
BsMod	CompMain 📕	Line Mode	none	Ī	HPF
Ctr DnMix	-3.0dB	RFMode	none		LPF
Sur.DnMix	-3.0dB 📕	Room Type	n∕i		Sur 3dB Att
LRoCtrDnMix	+3.0dB	MixLevel	80		Sur Ph-Filter
LRoSurDnMix	+3.0dB	DolbySurnd	n∕i		Orig.Stream
LR CtrDnMix	+3.0dB 📕	DownMixMod	n∕i		Copyright
LR SurDnMix	+3.0dB	D Sur Ex	n∕i.		DT (BJ) TYME.

The **Dolby generation** + **analysis option** combines the functionality of these two option in a single purchasable option.

Order reference PHSXOBD-AG

In: 3	3GA-1080p50		0p50 Lock: Free	16:30	
	Source In1	Ancillary P	ackets Status	Setup Reset	
5					
112					
Int ormation					
gnal					
1ain	Menu Video	Misc Audio	ANC ANC	Dolby-E Video	
	Status	Status Status	Inspector Status	Timing	

The Ancillary data status option provides a very quick status view of the ancillary data present in a SDI signal. It does not decode the data fully and is intended to be a fast analysis tool to show if a packet type is present, absent or red if in fault. Full logging is available along with DID and SDID custom setup.

Order reference PHSXOVNC



The Advanced eye and jitter analysis option for the PHABRIX SxE instrument adds an additional jitter screen plus enhancements to the eye display. The extra features added to the eye and jitter module are focussed toward broadcast manufacturers who have a need for high end analysis tools. Histograms, decade filters, multiple eye display, full screen jitter display and alignment and timing thermometers are all available with comprehensive logging.

Order reference PHSXOEA



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PHABRIX[®] Limited Omega House, Enterprise Way, Thatcham, Berkshire RG19 4AE United Kingdom tel + 44 (0)1635 873030 email: info@phabrix.com www.phabrix.com

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