

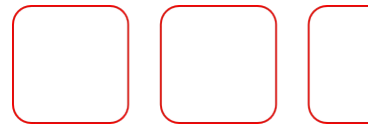
Safe & Sound



DK - Meter - **Audio & Loudness** Metering Complete



Introducing the DK Meter Family



Hit your Audio and Loudness sweet-spot with outstanding precision and instant overview – no matter the standard or target.

The DK Meter range is the perfect and surprisingly affordable 'One box solution' for any high resolution metering application counting; broadcast, film & post production as well as live transmission and recording.

Whether you want instant readouts and overview of a few key target levels, phase and channel correlation or detailed Loudness logging, **DK Meter is the answer.**



DK1 - Stereo

I/O - 6 ch. AES/EBU, Analogue

Display Channels - 4

Software - All Audio & Loudness tools

Application fit - Stereo Applications



DK2 - Multi Channel

I/O - 6 ch. AES/EBU, Analogue

Display Channels - 8

Software - All Audio & Loudness tools

Application fit - Stereo & Multi Channel Applications



DK5 - 3G SDI Multi Channel

I/O - 3G SDI, 6 ch. AES/EBU, Ana

Display Channels - 16

Software - All Audio & Loudness tools

Application fit - 3G SDI, Stereo & Multi Channel Applications

Bullet & Benefits

- Bargraphs or Moving Coil - Your choice of metering tool
- JellyFish™ & StarFish™ Channel inter relations - Phase Security
- Loudness metering & readout – Loudness conformity at a glance
- Real time True Peak PPM – Optimized level with no hidden 'overs'
- Compliant with major loudness standards – Always hit your target
- Loudness and True Peak Logging - Document, Review & Analyse
- SMPTE Reader - Readout and Log against Time code
- FFT Analysis – See and secure your audio from any angle
- Flexible and User definable setup – Personalize to your workflow
- SDI 3G, AES/EBU, Analogue - Choose the input format for you

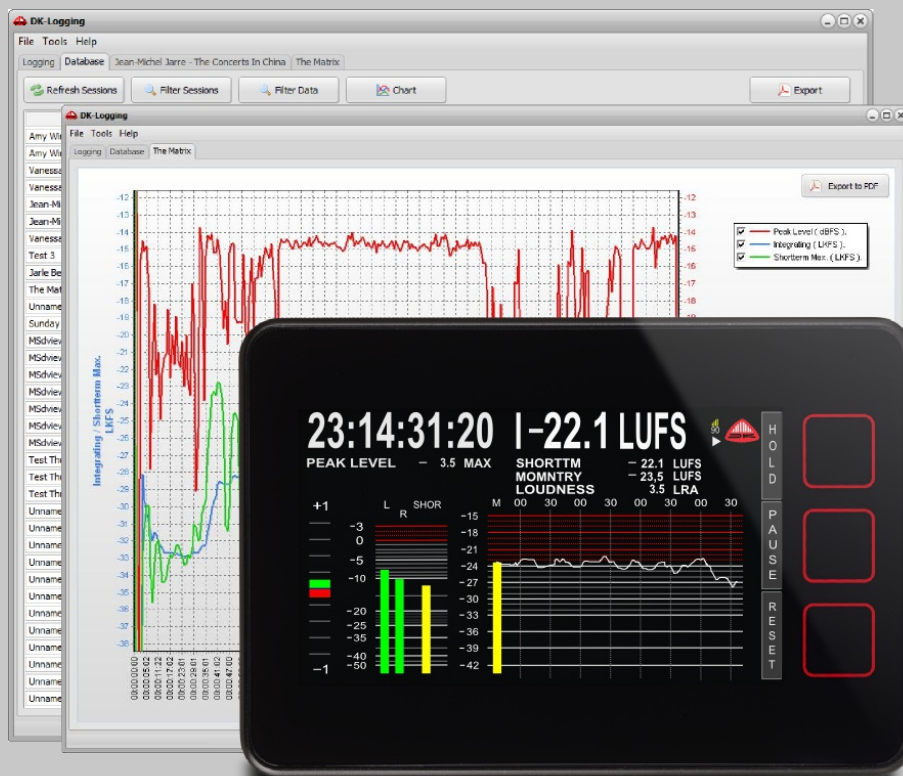
Metering Styles, Scales & Ballistics - DK Meter has You Covered



Virtually any VU or PPM scale you can think of is included in DK Meter. Not only that, the specific choice of bar-graphs, sizes, colors or even Moving Coil emulations are all included with every DK Meter, allowing you to define the exact style, scale and

ballistics that you prefer to monitor and review your audio. Use the on-board user presets to instantly switch between multiple views, scales and setups and completely customize your settings to your individual applications and jobs.

Loudness Viewed & Documented



Loudness Industry Standards Compliance

DK Meter adheres to all of the loudness industry standards i.e. BS 1770-3, R128, A/85, ARIB etc.

Loudness Logging

The Logging Application (PC) allows you to log, document and review any loudness event as well as True Peak events. The Loudness measures are tracked and instantly stored to a local database.

Any Logging session may be searched, analysed and graphically displayed for further investigation at any point in time.

Data may be exported as PDF or CSV files for further treatment.

Overall, the Logging Application makes up the perfect background tool allowing you full hindsight on every session logged.

StarFish® Graphical Inter-channel View

No matter if you are Surround or Stereo, DK Meter gives you instant inter-channel views

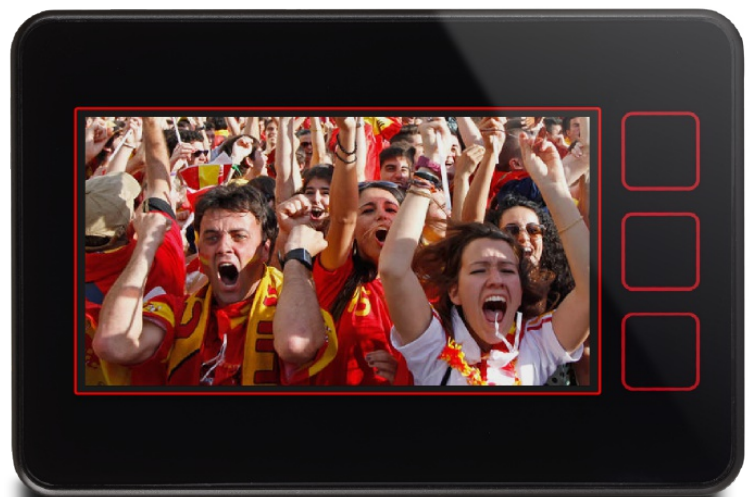
DK-Technologies' well-known channel and phase tools, JellyFish® and StarFish® gives you the detailed graphical representation of each channel amplitude and phase relationship, making it perfect for balancing out your stereo or surround mix, as well as, spotting potential problems and errors in your signal.



3G SDI Picture Preview

Be sure that you are monitoring the correct SDI feed. The Picture Preview feature included in the DK5, allows you to check the incoming SD, HD or 3G SDI picture.

By the push of a button or screen slide, DK Meter instantly turns into a mini video monitor in either Portrait or Landscape mode.

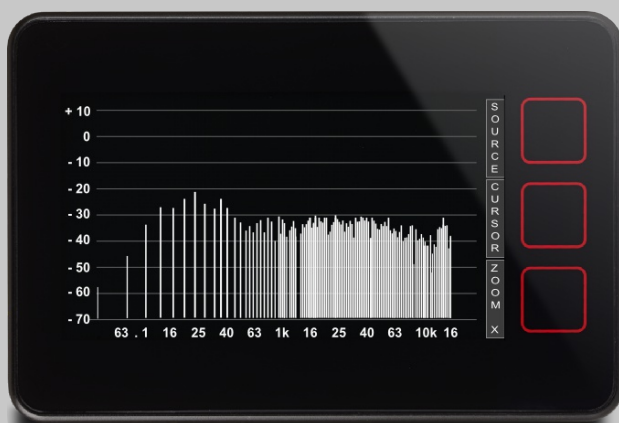


FFT Spectrum Analyser

With 1024 filter resolution the FFT allows you to see the nitty gritty of your frequency content

The FFT allows you to always confirm that the spectral balance of your source signal is correct. Additionally, the FFT comes in very handy as a tool of identifying and homing in on problem signals i.e. background rumble, HF test tones etc.

The unique frequency zoom function, enables extreme precision check of every single filter of the FFT.



Technical Specification



	DK1	DK2	DK5	DK T7
Audio Connectors				
Analogue input	2 XLR input	2 XLR input	2 XLR input	2 XLR input
AES input/output	6. ch. AES3 Inputs BNC (AES3-4-2009)	6. ch. AES3 Inputs BNC (AES3-4-2009)	6. ch. AES3 Inputs BNC (AES3-4-2009)	8. ch. AES3 Input/Output BNC (AES3-4-2009)
Headphone out	No	No	No	Yes
Video Connectors				
SDI In / Out	-	-	BNC 3G/HD/SD SDI (active loop through)	BNC 3G/HD/SD SDI (active loop through)
Digital Input				
Bit Resolution	24 bit	24 bit	24 bit	24 bit
Group Delay	1.75msec	1.75msec	1.75msec	1.75msec
Nominal input imp.	75 ohm	75 ohm	75 ohm	75 ohm
S-rate int. / ext.	48kHz	48kHz	48kHz	48kHz
Analogue Input				
Input type	Balanced (electronic)	Balanced (electronic)	Balanced (electronic)	Balanced (electronic)
Dynamic range	>103dB	>103dB	>103dB	>103dB
Crosstalk	<96dB	<96dB	<96dB	<96dB
SNR	Typ. 93dB relative to -1dBFS	Typ. 93dB relative to -1dBFS	Typ. 93dB relative to -1dBFS	Typ. 93dB relative to -1dBFS
Nominal input Imp.	>20kOhm	>20kOhm	>20kOhm	>20kOhm
Maximum input level	24dBu	24dBu	24dBu	24dBu
Freq. resp. 20Hz-20kHz	+/-0.3dB	+/-0.3dB	+/-0.3dB	+/-0.3dB
Screen & Operation				
TFT	4.3"	4.3"	4.3"	7"
Operation	Touch Buttons	Touch Buttons	Touch Buttons	Multi Touch Screen
Screen Output	No	No	No	HDMI 1024 x 680
Number of Display ch.	4	8	16	16
Loudness				
Compliant with...	ITU BS1770-3, EBU R128, A/85, ARIB	ITU BS1770-3, EBU R128, A/85, ARIB	ITU BS1770-3, EBU R128, A/85, ARIB	ITU BS1770-3, EBU R128, A/85, ARIB
Reference Level digital	-12dBFS & -24dBFS	-12dBFS & -24dBFS	-12dBFS & -24dBFS	-12dBFS & -24dBFS
Dynamic gate level	-2LU dB to -20LU/Off	-2LU dB to -20LU/Off	-2LU dB to -20LU/Off	-2LU dB to -20LU/Off
Short term int. window	0, 10, 30 seconds	0, 10, 30 seconds	0, 10, 30 seconds	0, 10, 30 seconds
Num. Loudness	Intgr. Momnt, Shorttrm, LRA, True Peak	Intgr. Momnt, Shorttrm, LRA, True Peak	Intgr. Momnt, Shorttrm, LRA, True Peak	Intgr. Momnt, Shorttrm, LRA, True Peak
True Peak	Flying peak & Num.	Flying peak & Num.	Flying peak & Num.	Flying peak & Num.
Peak thrs. / hold time	-2dBFS / >0.5sec	-2dBFS / >0.5sec	-2dBFS / >0.5sec	-2dBFS / >0.5sec
Power				
Consumption	350mA	350mA	350mA	1500mA
Power Supply	Plugtop, 100-240V, 5VDC, 500mA May be powered from Computer or USB hub	Plugtop, 100-240V, 5VDC, 500mA May be powered from Computer or USB hub	Plugtop, 100-240V, 5VDC, 500mA May be powered from Computer or USB hub	Plugtop, 100-240V, 15VDC, 1500mA
Mechanical				
Dimensions	88 x 132 x 18 mm Aluminium Chassis	88 x 132 x 18 mm Aluminium Chassis	88 x 132 x 18 mm Aluminium Chassis	132 x 186 x 24 mm Aluminium Chassis
19" Rack mountable	Yes	Yes	Yes	Yes
Desk Top Bracket	Included	Included	Included	Included