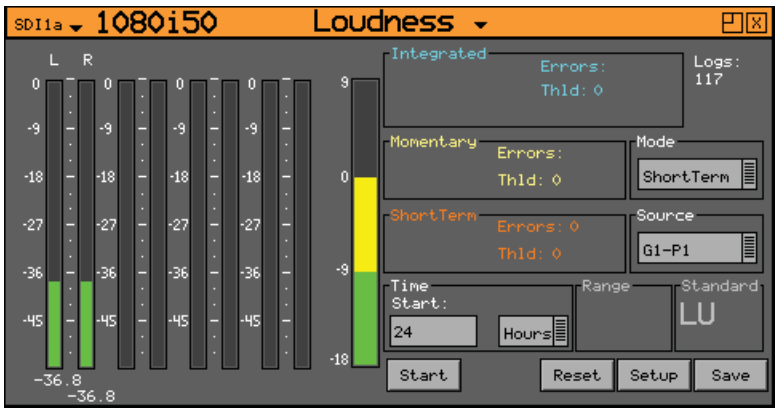
PHABRIX®
broadcast excellence

LOUDNESS

# Rx OPTION

# 4 CHANNEL LOUDNESS

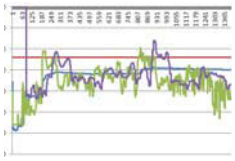
The 4 Channel Loudness option (PHRXO-4LOU) allows up to 4 channels of loudness metering and monitoring to be performed by the Rx unit (1 loudness channel per analyser module).




The tools provided in the Loudness window for each channel allow the loudness of the selected stereo audio pair or 5.1 surround audio group to be measured and logged.

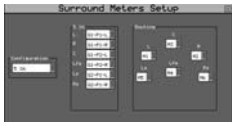
Loudness can be measured in accordance with ITU or EBU Recommendation 128 which define the measurement in terms of Loudness Units (Ul) and Loudness Units Full Scale (LUFS) over momentary, short term or integrated time periods.

Loudness is logged as defined by EBU Recommendation 128, and provides Start, Pause, Continue and Reset functions. Loudness logs are created at a user-defined logging interval.



Loudness logs are stored automatically each time the user-defined interval is reached. These are individual, time-stamped CSV (comma separated value) files.

Log files can also be saved manually at any time.




The channel mapping for 5.1 surround sound can define the individual audio channels from the selected SDI input(s) to be mapped to the L, R, C, Lfe, Ls, Rs, Bsl and Bsr.

*4 Loudness windows displaying meters and logging controls*

## FEATURE HIGHLIGHTS

- UP TO 4 INDEPENDENT LOUDNESS CHANNELS
- MEASURED ITU OR EBU RECOMMENDATIONS
- LU OR LUFS MEASUREMENT
- MOMENTARY, SHORT TERM & INTEGRATED
- STERE0 AND 5.1 LOUDNESS MEASUREMENT
- USER-DEFINED LOGGING INTERVAL
- CSV LOUDNESS LOGS
- USER DEFINE SURROUND SOUND MAPPING

## AVAILABLE FOR

- PHRXM-A MODULE
- PHRXM-AG MODULE
- PHRXM-AGE MODULE
- RX2000 INSTRUMENT CHASSIS
- RX1000 INSTRUMENT CHASSIS
- RX500 INSTRUMENT CHASSIS

## ORDERING INFORMATION

| | |
|---|---|
| Option Code | PHRXO-4LOU |

PHABRIX® Limited

Made in the UK

PHABRIX is a registered trademark.

*Specifications and features described herein are subject to change without prior notice. Please consult our website www.phabrix.com for the latest data.