



## Data logger for vapour shippers

# ShipsLog

**Keep an eye on the temperature of your valuable samples, during transit, with our liquid nitrogen vapour shipper data logger. ShipsLog™ keeps an accurate, downloadable temperature history of your samples throughout their journey.**

The ShipsLog™ monitor is fitted in the top of the dry shipper's cover, with the temperature probe measuring the warmest part of the vapour shipper. Alarms can be set at predetermined intervals during transit.

On arrival, the recipient can check whether the temperature range has deviated from the pre-set profile.

The complete temperature history can be downloaded, giving the exact temperature pattern throughout the journey. The logger is user programmable via PC software – and the logging process can be started either via PC software or a magnetic swipe key.

- Records temperature of samples
- Clear LED display
- High / low temperature alarms
- Alarm trip points
- User programmable
- Hard or soft copy
- Flying lead version available

Want to find out more about monitoring? [enquiries@planer.com](mailto:enquiries@planer.com)



# ShipsLog™ for vapour shippers



MEASUREMENT	
Range	-200°C to 0°C
PC Programme	Display units user selectable -°C, °F or K
Probe Type	Platinum Resistance, Pt 100, Class B
Accuracy	±1.5°C at 0°C, rising to ±2.5°C at -200°C, including uncertainty due to measurement resolution and probe errors
Calibration	Traceable to NAMAS standards; semi-automatic user calibration possible using optical PC calibration pack; calibration certificate printed automatically
DATA LOGGING	
Number of points	8192
Logging Interval	30 seconds to 99 minutes in 30 second increments
Logging Resolution	0.1°C
Max Number of Logs	8192 (Limited to number of points)
ALARM GENERATION	
High Alarm Level	-200°C to 0°C in 1.0°C steps
Low Alarm Level	-200°C to 0°C in 1.0°C steps
Alarm Delay Period	0 to 120 logging intervals
CONTROL & INDICATION	
Manual Control	Magnetic non contact Start / Stop Switch using supplied fob
Communication	RS232 Serial communications to proprietary PC program

Programming	Using propriety PC program
Indicators	Three x LED Indicators: Yellow=Normal, Orange=Warning,
BATTERY	
Type	Lithium Thionyl Chloride, internally fitted, factory replaceable
Life	Approximately 3 years in normal operation; battery life remaining is indicated via PC programme
PC Software Requirements	PC to be Windows '95, '98 or NT
ORDERING INFORMATION	
Description	Ordering Ref
ShipsLog with temperature probe	GDSHIPSLOG-FL
ShipsLog with fixed probe 720mm long	GDSHIPSLOG-FL-720
ShipsLog for Cryoshipper vapour shipper	GDSHIPSLOG-CS
ShipsLog for SC4/3V vapour shipper	GDSHIPSLOG-SC4/3V
ShipsLog for SC4/2V vapour shipper	GDSHIPSLOG-SC4/2V
Temperature Probe for ShipsLog	GDSHIPSLOG-PRT-610MM
Serial Cable to connect ShipsLog to PC	AC013808
Please refer to your vessel documentation for details. Note that use of the ShipsLog for the SC4/3V could result in an increase in liquid nitrogen evaporation rate of 22% and this may affect the hold-up time of the system.	

*Specifications may change without notice, third party trademarks acknowledged. C1037/V1*