

SPECIFICATION FOR TRANSCAN® 2 DATA LOGGERS



TranScan® temperature recorders are designed to meet the requirements of EN12830 and other national requirements to support the objectives of directives 92/1/EEC (amended by 93/43/EEC) - also known as the Quick Frozen Food Directive.

Accuracy Class

- Class 1
- Maximum permitted error under all operating conditions of recorder and sensor is 1°C at a resolution of 0.5°C

Autonomous Power

- Lithium Thionyl Chloride ½ AA battery gives 10 year unpowered retention of data and time/date
- The battery is not user replaceable

Climatic Environment

- Recording -30 °C to +70 °C
- Printing -10 °C to +50 °C
- Transport and storage unpowered -40 °C to +85 °C
- TranScan® Trailer for indoor or outdoor use
- TranScan® Rigid for installation in vehicle cabin

Electrical Safety

- Conforms with EN 61010-1
- Safety may be impaired if installation instructions are not adhered to

EMC

- Conforms with requirements of EN50081-1 and EN50082-1
- The instruments have also been tested and found to conform with German national requirements of 10v/m radiated immunity provided screened sensors are used with the screens correctly bared and clamped to the chassis with the fixture provided

Measuring Range

- Certified range	-30 °C to	+30 °C
- For Germany	-35 °C to	+25 °C
- Available range	-50 °C to	+50 °C

Type Of Application

- Suitable for recording storage temperatures
- Suitable for recording transport temperatures

Power Surge

- Conforms with BS AU 243 (ISO7637-1) grade 4

Protection

- IP65 for Trailer models, IP20 for Rigid models

Supply Voltage

- DC 10 V to 32 V
- The DC supply shall be either from a vehicle battery fused in-line with a 2A fuse approved to EN60127 or from an approved mains operated SELV power supply rated for 3A peak

Recording Duration

- Memory capacity in days at a 15 minute recording interval
- 2 channels 4 channels
- 512k 988 days 640 days

Recording Interval

- May be set from 1 minute to 60 minutes in steps of 1 minute
- For the installation to comply with current German legislation, the user must not set the recording interval longer than 15 minutes

Time Recording Tolerance

- Relative error less than 0.1%, typical < 0.01%
- Error less than 15 min in 7 days, typical < 1 min in 7 days