

# RECORDERS FOR REEFER (COOL) CONTAINERS

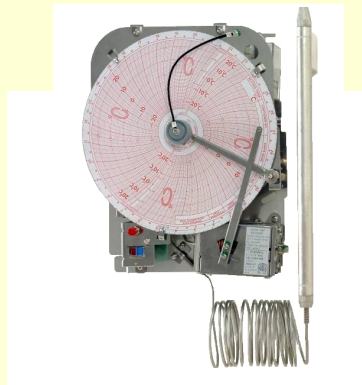
## About the Reefer recorders

The Reefer recorder is an electro-mechanical recorder.

The technician can read the real time as well the historical temperature immediately from the chart, unlike the microprocessor data recorder, which should download the data into a handheld computer.

The Reefer recorder greatly help the technicians to understands the problem and solve this problem at the same time. Most Reefer technicians use the Microprocessor Data Logger as a backup device. PandID B.V. have 2 Reefer recorder models in stock:

## General



Model SKM-2924-Q34

- \* Automatic Temperature Recorder for Marine and Truck Refrigerating Container
- \* Dry Cell Battery drives Quartz Motor. Avoids problems caused by forgetting to wind the spring and breakage due to over winding or corrosion
- \* Environmentally friendly gas charged element – **Mercury Free**
- \* Adopting harmless gas to move recorder pen, eliminates the worry of Mercury contamination of the cargo due to element leakage

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## Features

- \* High accuracy Quartz Motor which drives a standard 8" Recorder Chart  
Quartz Motor driven by a normal Dry Cell Battery (UM-2) avoids forgetting winding of a spring and spring breakage due to over winding or corrosion.  
**Battery life: One Year.**
- \* Battery Life Indicator easy to see remaining Battery Life.
- \* Quartz Motor operation is visually confirmed with the inspection hole provided
- \* Temperature Sensing Bulb is charged with special gas, which is not harmful to foods or human beings
- \* Rigid structure of the recorder provide high shock and vibration resistance
- \* Power source circuit components are designed to withstand high surge voltages and electrical noise
- \* Two Open Types of Automatic Temperature Recorders are available to be able to mount in most existing housings, among others Partlow as well.

## Service application

Marine and Truck Refrigeration Container 31 day recording.

Temperature Recorder is normally mounted on front of Intermodal Cargo Container Unit, which is exposed to widely varying environments including

- Arctic (low temperature),
- Marine (salt water),
- Tropical (fungus, high temperature and humidity),
- Seaport/Urban (industrial pollutants),
- Overland transportation and Handling (dynamic loading, rain, blowing sand and dust).

The Type SKM Temperature Recorder has been designed and tested to work satisfactorily under those severe environments

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## Specifications

Sensing Bulb	Gas Charge Type (non – CFC)
Recording Range	-30 to +25°C (provided with a scale over protection)
Chart Drive	Quartz Motor Drive with One DC 1.5 V Dry Cel Battery (UM-2)
Ambient Temperature	-20 to +70°C -30 to +80°C at sensing element
Time Accuracy	±3 Hour per Month
Vibration	5G
Shock	100G
Capillary Tube	3500 mm (approx. 11,5 test)
Weight	2,3 kg (Open Type)
Chart	31 Days per One Rotation
Sensor Probe	Option
Enclosure	Open Type Recorder, which fit in most existing housings

## Spare parts information

For spare parts information contact PandID B.V.

## Mercury regulations

Following the European guidelines it is in The Netherlands per 1-1-2000 forbidden to import and manufacturer Mercury and Mercury containing products.

Per 1-1-2003 trade and stock is forbidden of Mercury and Mercury containing products, which is imported or manufactured before 1-1-2000.

Please check the regulations in your country and inform us via our feedback form.

You can find the English translation of the Dutch Mercury Regulations (based on the European Mercury Regulations) on the Mercury regulations page