



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

E-127

OTTAWA April 3, 1974.

ESTERLINE ANGUS MODEL L-1101S SINGLE-CHANNEL
AND L-1102S TWO-CHANNEL POTENTIOMETER
RECORDERS

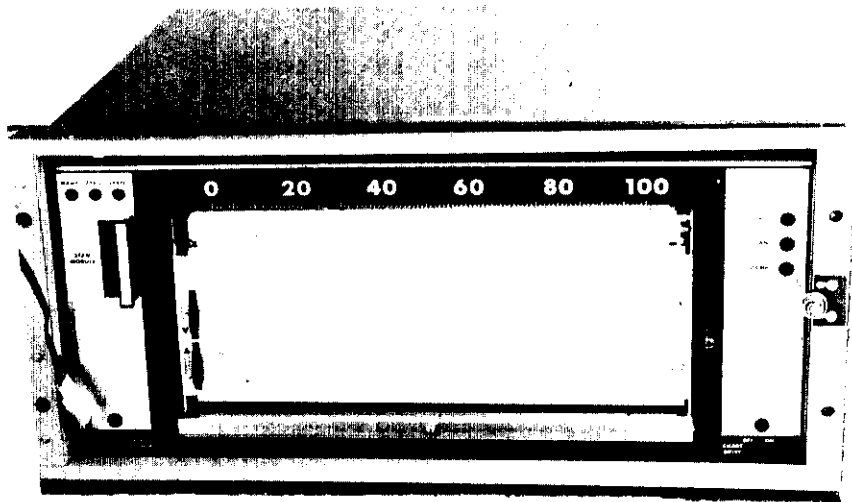
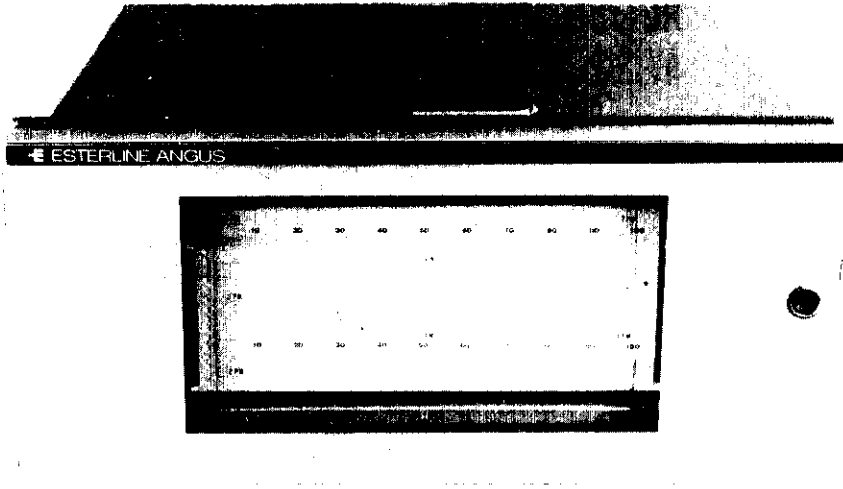
Apparatus

- | | |
|--------------------------|---|
| * Millivolt Input | 0 ... 10 mv to 0 ... 100 mv |
| Record | Model L-1101S-single pen; model L-1102S-two pen |
| Standardization | Continuous (double zener regulated) |
| Chart | Esterline, in accordance with Approval Notice E-47 |
| Chart width | 10 inches nominal |
| Chart speed | ½ in./hr. to 1 in./sec. or
12.5 mm./hr. to 25 mm./sec. |
| Max. External Resistance | 10,000 ohms |
| Power Supply | 120 volts, 60 Hz |
| Ambient Temperature | 5°C ... 40°C |
| o Zero | Left Hand is standard |
- Δ The marking of kilowatts, megawatts or other measured units which the millivolts represent will be readable without opening the recorder door.
- Single, two, five or ten speed drives are available.
- o Versions of zero offset are available, and are permissible for offsets up to 50% of the span.

Description

Types L-1101S and L1102S are, respectively, single pen and two-pen null balance, potentiometric, strip chart recorders.

The two-pen type has two completely independent measuring systems, each with its own pen drive and pen, drawing a continuous line on a common chart.



The servo system employs a large, powerful magnet and an armature which moves in the field of this magnet. This magnet extends the entire width of the chart. The potentiometer wiper contacts, and the pen and ink well module are constructed as integral parts of the armature so that all three move as a unit.

The potentiometer is made of conductive plastic and has infinite resolution.

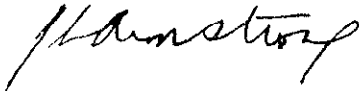
The pen cartridge and ink well module is the disposable type.

Individual on-off switches for power and chart drive are located at the front-bottom of the recorder.

A lever for lifting the pen (s) is located near the upper right corner of the chart.

Approval granted to:

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