rst INSTRUMENTS

Monitor
with
Confidence

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Certified System
ISO 9001

The LP100 Linear Potentiometer Readout fatures a durable and compact design.



**PRODUCT CATEGORY:**
READOUTS + DATA LOGGERS

# LP100 - Linear Potentiometer Readout

The RST LP100 Readout Instrument is a dedicated intelligent measuring system specially designed for reading, displaying, and logging linear potentiometers. Unprecedented accuracy, flexible memory options, and ease of use make the LP100 Potentiometer Readout invaluable for projects requiring monitoring of linear potentiometers.

It's lightweight, yet extremely rugged design is perfectly suited for harsh environmental conditions often encountered in the field. The LP100 is extremely easy to use with a USB interface for downloading data. The LP100 Readout has the ability to be either pre-configured in the office (through host software), or taken directly to the field. If taken directly to the field, each location will be assigned a generic name which is editable once back in the office and connected to a host computer.

## > APPLICATIONS

Reads, displays, and logs linear potentiometers.

## > FEATURES

| | |
|---|---|
| Durable, compact design for excellent portability and field use. | Large graphics display with a convenient backlight. |

Readings in percent or engineering units.

Three field-replaceable "AA" alkaline batteries eliminate the need for a large, bulky 12 V battery and charger.

Stores up to 254 instrument locations per route, each with a text label, calibration constants, previous data, and up to 10,900 time/date stamped data points.

Data transfer to a host computer via USB in a compatible file format for Microsoft Excel® and other spreadsheets. User friendly host software for Microsoft Windows® included.

## > BENEFITS

✓ **High Accuracy**

✓ **High Reliability**

## SPECIFICATIONS

| DESCRIPTION | SPECIFICATION |
|---|---|
| Resolution | 0.00015% |
| Display | Graphic 128 x 64 pixels large character display |
| Display Backlight | High efficiency LCD with auto off |
| Max Instrument Locations | 254 |
| Memory Capacity | 10,900 custom labelled points |
| Location Identification String | Up to 20 characters |
| Download Speed | 15 seconds (full memory) |
| Battery | 3 "AA" alkaline |
| Battery Indicator | On-screen, low battery indicator |
| Operating Temperature | -20°C  to 60°C |
| Dimensions | W 22 cm  x  D 19 cm  x H 9.5 cm  (8.75  x  7.5  x  3.75in.) |
| Weight | 1.1 kg (2.4 lbs) |

## ORDERING INFO

| ITEM | PART # |
|---|---|
| LP100 Linear Potentiometer Readout | ELLP100 |