



**Key Features:**

- Very high accuracy 0.015% of reading with 0.001 mA resolution. Highest accuracy and resolution in its class.
- Digital knob design combined with user selectable decade output adjustments allows for both large output changes and small steps down to 0.001 mA.
- Unique “% Error” function eliminates manual error calculation. Allows the user to display the error (actual vs. ideal) at any calibration point.
- Built in 250 ohm resistor to facilitate calibration of Hart™ devices
- Automatic Step and Ramp features allow the LC-100 to continuously step or ramp through the 4 to 20 mA range making remote calibrations possible.
- Fuseless input protection up to 250 VAC!

## *Dare to Compare...*

	<b>Martel LC-100</b>	Altek 334	Druck/Unomat UPSII
Input Range	<b>0.000 to 24.000 -25.00% to 125.00%</b>	0.00 to 52.0 mA -25.0 to 300.0% of 4-20 mA	0-21 mA
Output Range Source/Simulate	<b>0.000 to 24.000 -25.00% to 125.00%</b>	0.00 to 24.00 mA -25.0 to 125.0%	0-21 mA
Read VDC	<b>0 to 28.000 VDC</b>	-99.99 to +99.99 VDC	N/A
Accuracy	<b>±0.015% of reading ±2 µA</b>	±0.05% of reading ±10 µA	.05% of range
Resolution	<b>1 µA</b>	10 µA	10 µA
Loop Supply Voltage	<b>24 VDC</b>	27 VDC	24 VDC
Built-in Resistor for Hart™ Communications	<b>Yes</b>	No	No
Typical Drive Capability	<b>1200Ω w/o Hart 950Ω w/ Hart</b>	1200Ω @ 20 mA fresh batteries 800Ω @ 20 mA low batteries	900Ω
Auto % Error Function	<b>Yes</b>	No	No
Selectable Decade Adjustment	<b>Yes</b>	No	No
Auto Step/Ramp	<b>Yes</b>	No	Yes
Preset Outputs	<b>5</b>	3	5
Loop Power Measure Capability	<b>Yes</b>	Yes	Yes
Operating Temperature	<b>-10 to 55°C</b>	-20 to 60°C	-10 to 50°C
Power Supply	<b>(1) 9V Battery</b>	(3) 9V Batteries	(4) AA Batteries
Rechargeable Battery Option	<b>Yes</b>	No	No
AC Adapter	<b>Yes</b>	Yes	Yes
Size	<b>5.7 x 3.15 x 1.43</b>	4.8 x 2.6 x 1.41	3 x 5 x .83
Weight	<b>12 oz.</b>	7.8 oz.	9 oz.
Price (as of 12/01/00)	<b>\$ 549.00</b>	\$549.00	\$ 495.00