



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!

	Martel LC-100	Atek 334	Druck/Unomat UPSIII
Input Range	0.000 to 24.000 -25.00% to 125.00%	0.00 to 52.0 mA -25.0 to 300.0% of 4-20 mA	0 to 24 mA
Output Range Source/ Simulate	0.000 to 24.000 -25.00% to 125.00%	0.00 to 24.00 mA -25.0 to 125.0%	0 to 24 mA
Read VDC	0 to 28.000 VDC	-99.99 to +99.99 VDC	0 to 60 VDC
Accuracy	±0.015% of reading ±2 µA	±0.05% of reading ±10 mA	±0.01% of rdg ±2 µA
Resolution	1 µA	10 µA	1 µA
Loop Supply Voltage	24 VDC	27 VDC	24 VDC
Built-in Resistor for Hart™ Communications	Yes	No	Yes
Typical Drive Capability	1200Ω w/o Hart 950Ω w/Hart	1200Ω @ 20 mA fresh batteries 800Ω @ 20 mA low batteries	1200Ω w/o Hart 965Ω w/Hart
Auto % Error Function	Yes	No	No
Selectable Decade Ad- justment	Yes	No	No
Auto Step/Ramp	Yes	No	Yes
Preset Outputs	5	3	5
Loop Power Measure Capability	Yes	Yes	Yes
Operating Temperature	-10 to 55 °C	-20 to 60 °C	-10 to 50 °C
Power Supply	(1) 9V Battery	(3) 9V Batteries	(4) AA Batteries
Rechargeable Battery Option	Yes	No	Yes
AC Adapter	Yes	Yes	Yes
Size	5.7 x 3.15 x 1.43	4.8 x 2.6 x 1.41	3 x 5 x 1
Weight	12 oz.	7.8 oz.	9.7 oz.
Price (US\$)	\$595.00	\$750.00	\$723.00