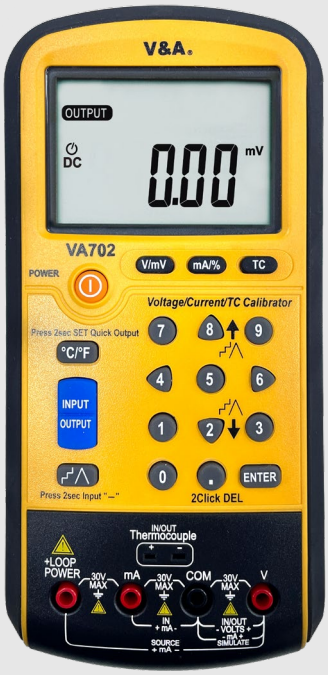
DATA SHEET

VOLT/MA & THERMOCOUPLE CALIBRATOR – VA701/VA702

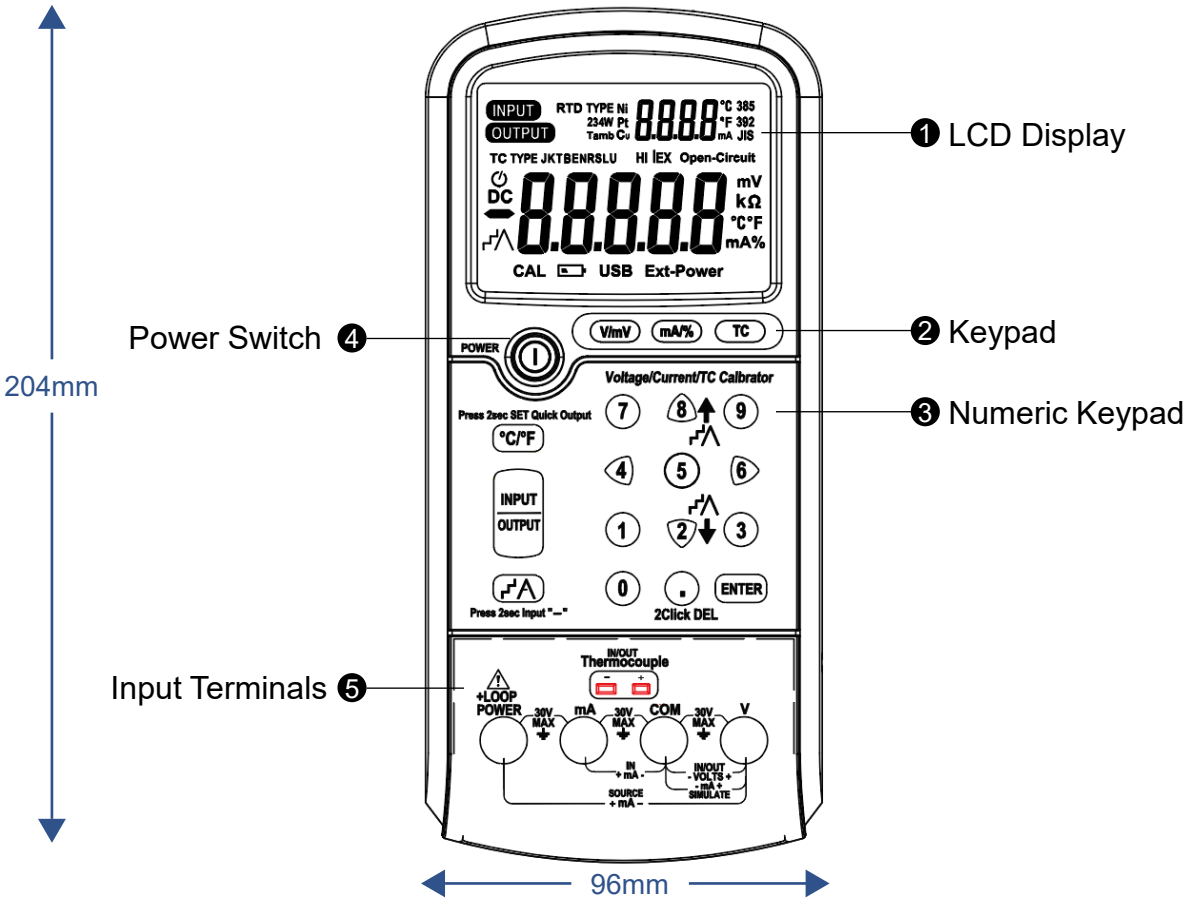
PRODUCT HIGHLIGHTS



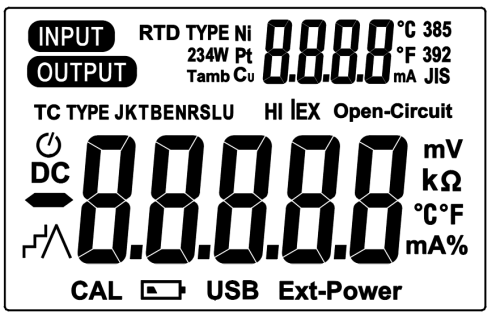
Accuracy and Simplicity

- Small & streamlined shape makes it easy to carry
- Rugged & reliable design stands up to field use
- Measure/source volts, mA and thermocouples (Model Dependent)
- Power transmitters during test using loop supply
- Measure and source 0-24 mA, 0-20V and thermocouple signals (Model Dependent)
- Remote interface allows benchtop automated operations
- Large dual 5 digits LCD display
- Standard jack for external power supply
- Store/recall 10 group setting
- Best accuracy max. up to 0.06& & 0.7° C (Model Dependent)

1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL



- Display/char. height: 7-segment characters/16.72 mm
- Overflow display: “OL" is displayed
- Polarity display: "_" (minus sign) is displayed if plus pole is connected to "⊥"
- Sample rate: 3 times/sec for digital data

3. TECHNICAL SPECIFICATIONS

	VA701	VA702
DC Voltage Input & Output	-10~100.00mV / 0~20.000V ± (0.1%+5)	0~100.00mV ± (0.06%+4) / 0~20.000V ± (0.08%+5)
DC Current Input & Output	0~24.000mA ± (0.1%+3)	0~24.000mA ± (0.08%+5)
Thermocouple Type	○	J, K, T, E, R, S, B, N
Loop Power Output	24V ± 10%	
Over Voltage Protection	30V	
Input Impedance	2M	
Large Dual 5 Digits LCD Display	●	

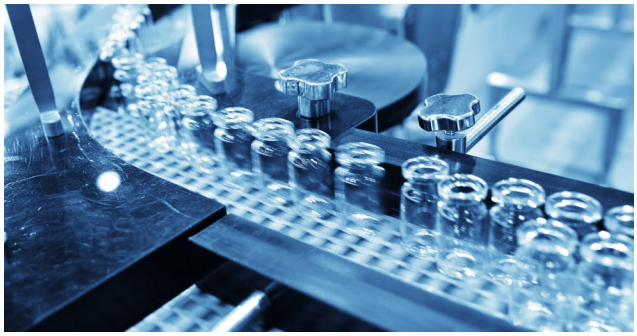
4. GENERAL SPECIFICATIONS

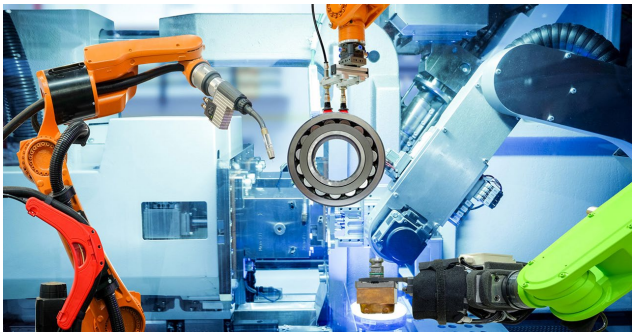
Function	Value
Operating Altitude	<2000m
Operating Temperature/Humidity	-10° C~55° C, 14° F~122° F
Storage Temperature/Humidity	-40° C~60° C, -40° F~140° F
Typical Temperature Coefficient	± 0.01%/of range per ° C for the temperature range -10° C to 18° C and 28° C to 50° C
Low Battery Indicator	The " ▭ " is displayed when the battery is under the proper operation range
EMC	EN 61326-1
Fuse	F 0.125A/250V
Power Supply	Battery 1.5V (AAA) x6
Dimension/Weight	204(L) x 96(W) x 41(H) mm / Approx 418g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA701 VA702	Process Calibrator	1 Piece
	Test Leads	1 Set
	Alligator Clips	1 Set
	Mini-USB Cable	1 Piece
	CD Disk	1 Piece
	K-Type Thermocouple Sensor (VA702)	1 Piece
	Battery 1.5V (AAA)	Not included
	User Manual	1 Piece
	Carry Bag	1 Piece
	Box	1 Piece

6. APPLICATIONS









*Datasheet subject to change without notice

For more information about V&A products
Please visit our website:

www.vainstruments.com

Join US at Facebook and Linkedin!

Manufacturer:

Shanghai VA Instrument Co., Ltd.
Tel: +86-21-69521064
email: sales@vainstruments.com

Area A/D, 4th floor, Building 22
258 Yinlong Road, Wangang Town
Jiading District, Shanghai 201814, China
web: www.vainstruments.com

Importer & Distributor:

LUMEL S.A.
Tel: +48 68 45 75 100
email: lumel@lumel.com.pl

ul. Słubicka 4
65-127 Zielona Góra, Poland
web: www.lumel.com.pl/en

*Datasheet subject to change without notice