



**RK TECHNOLOGIES**

NABL Accredited | ISO/IEC 17025:2017 | Cert. No. CC-4593

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# RK-726

## MULTIFUNCTION PROCESS CALIBRATOR

Professional Grade | 0.01% Accuracy | HART Communication | IP65 Rated



### KEY FEATURES

- ✓ 0.01% Accuracy - High precision measurement & source
- ✓ Two Independent Channels - Simultaneous measure & source
- ✓ HART Communication Ready (RK-726H model)
- ✓ IP65 Rated - Dust & Water Resistant
- ✓ TFT Color Display for clear visibility
- ✓ 24V Loop Power Supply with mA measurement
- ✓ 16 Thermocouple Types Supported
- ✓ 9 RTD Types with 2/3/4 Wire Configuration
- ✓ Auto Step & Auto Ramp Functions
- ✓ USB Communication with PC Software
- ✓ Frequency & Pulse Measurement/Source

### APPLICATIONS

Process Industries • Power Plants • Refineries • Pharmaceutical • Chemical Plants • Food & Beverage • HVAC Systems • Calibration Laboratories • Instrumentation Maintenance • Transmitter Testing & Calibration



## MEASUREMENT SPECIFICATIONS

### DC VOLTAGE MEASUREMENT

Range	Resolution	Accuracy
50mV	0.001mV	0.01% + 0.01%
500mV	0.01mV	0.01% + 0.01%
5V	0.1mV	0.01% + 0.01%
30V	0.001V	0.01% + 0.01%

### DC CURRENT MEASUREMENT

Range	Resolution	Accuracy
50mA	0.001mA	0.01% + 0.01%

### RESISTANCE MEASUREMENT

Range	Resolution	Accuracy	Wire Config
500Ω	0.01Ω	0.01% + 0.01%	2/3/4 Wire
5KΩ	0.1Ω	0.01% + 0.01%	2/3/4 Wire

### FREQUENCY MEASUREMENT

Range	Resolution	Accuracy
500Hz	0.01Hz	±2 counts
5KHz	0.1Hz	±2 counts
50KHz	1Hz	±2 counts
CPM (Cycles Per Minute)	1 CPM	±2 counts

### PULSE COUNT MEASUREMENT

Range	Resolution	Accuracy
0 - 100,000 cycles	1 cycle	±2 counts

## SOURCE / SIMULATE SPECIFICATIONS

### DC VOLTAGE SOURCE

Range	Resolution	Accuracy
100mV	0.001mV	0.01% + 0.01%
1V	0.01mV	0.01% + 0.01%
10V	0.001V	0.01% + 0.01%

### DC CURRENT SOURCE

Range	Resolution	Accuracy	Max Load
0 - 33mA	0.001mA	0.01% + 0.01%	1000Ω

### RESISTANCE SIMULATE

Range	Resolution	Accuracy
400Ω	0.01Ω	0.01% + 0.01%
4000Ω	0.1Ω	0.01% + 0.01%



## THERMOCOUPLE & RTD SPECIFICATIONS

### THERMOCOUPLE TYPES (Measure & Source)

TC Type	Range	Resolution	Accuracy
Type K	-200°C to 1372°C	0.1°C	0.5°C
Type J	-210°C to 1200°C	0.1°C	0.5°C
Type T	-200°C to 400°C	0.1°C	0.5°C
Type E	-200°C to 1000°C	0.1°C	0.5°C
Type R	0°C to 1768°C	1°C	0.5°C
Type S	0°C to 1768°C	1°C	0.5°C
Type B	250°C to 1820°C	1°C	0.5°C
Type N	-200°C to 1300°C	0.1°C	0.5°C
+ L, U, A, C, D, G, P, M	Various	0.1°C / 1°C	0.5°C

### RTD TYPES (Measure & Source)

RTD Type	Range	Resolution	Accuracy
Pt100 (385)	-200°C to 850°C	0.1°C	0.3°C
Pt200 (385)	-200°C to 850°C	0.1°C	0.3°C
Pt500 (385)	-200°C to 850°C	0.1°C	0.3°C
Pt1000 (385)	-200°C to 850°C	0.1°C	0.3°C
Pt100 (3916)	-200°C to 630°C	0.1°C	0.3°C
Pt100 (3926)	-200°C to 630°C	0.1°C	0.3°C
Ni120	-80°C to 260°C	0.1°C	0.3°C
Cu10, Cu50	-50°C to 150°C	0.1°C	0.3°C

### FREQUENCY & PULSE SOURCE

Function	Range	Resolution	Accuracy
Frequency Source	100Hz, 1KHz, 10KHz, 50KHz	0.01Hz to 2KHz	±2 counts
CPM Source	2 - 1000 CPM	1 CPM	±2 counts
Pulse Output	0 - 100,000 pulses	1 pulse	±2 counts

### 24V LOOP POWER SUPPLY

<b>Output Voltage</b>	24V DC ±10%
<b>Max Current</b>	Simultaneous mA measurement while powering transmitter
<b>Protection</b>	Short circuit protected



## DIMENSIONS & GENERAL SPECIFICATIONS



Parameter	Specification
Dimensions	205mm × 95mm × 45mm
Weight	Approx. 560g (with batteries)
Display	TFT Color Display
Power Supply	4 × 1.5V AAA Batteries or AC Adapter (optional)
Battery Life	25+ hours typical
IP Rating	IP65 (Dust & Water Resistant)
Operating Temperature	-10°C to 55°C
Storage Temperature	-20°C to 71°C
Relative Humidity	90% (10-30°C), 75% (30-40°C), 45% (40-50°C)
Safety	CE Certified
Communication	USB (Infrared Isolated)
HART	Available in RK-726H model



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## STANDARD ACCESSORIES

### PACKAGING ACCESSORIES

- 1--Packing boxes
- 2--Product Manual
- 3--Software CD
- 4--Product Qualification Certificate
- 5--Fuse
- 6--Alligator clips/test leads
- 7--Test lead
- 8--Hook test lead
- 9--Instrument package
- 10--Process Calibrator
- 11--Thermocouple Adapter



Sr.	Accessory	Qty
1	RK-726 Multifunction Process Calibrator	1
2	Product Manual / Quick Reference Guide	1
3	Software CD	1
4	Product Qualification Certificate	1
5	Fuse (Spare)	2
6	Alligator Clips / Test Leads	1 Set
7	Test Lead (Standard)	1 Pair
8	Hook Test Lead	1 Pair
9	Instrument Carry Bag	1
10	Thermocouple Adapter (H20000)	1
11	Packing Box	1

### BATTERY COMPARTMENT



- Battery Type:**  
4 × 1.5V AAA Alkaline Batteries
- Battery Life:**  
25+ hours typical operation
- Optional:**  
AC Adapter available

## FOR ENQUIRIES, DEMO & CALIBRATION SERVICES

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