

# 712B RTD Calibrator

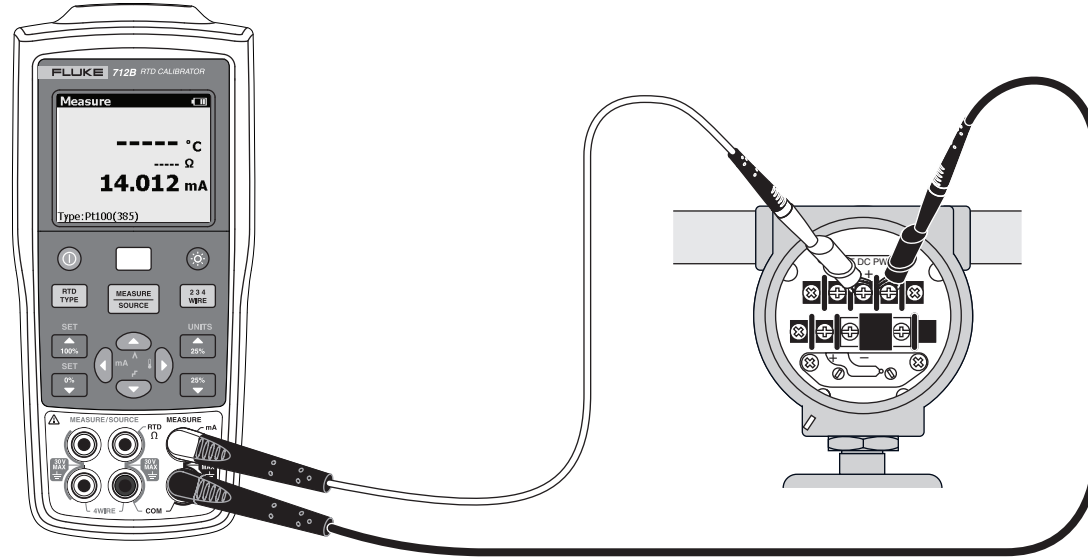
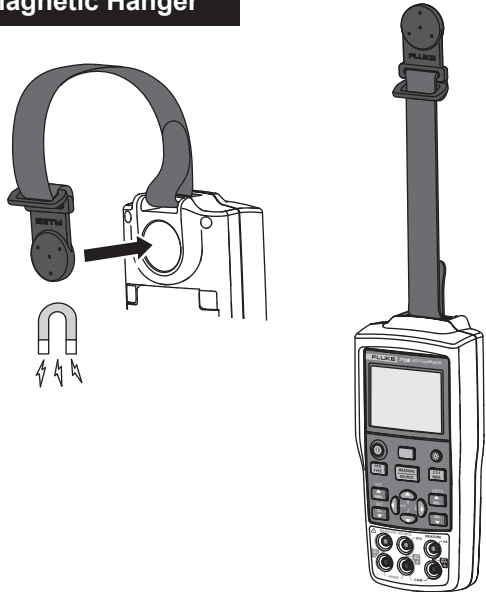
## Quick Reference Guide

### Warning

To prevent possible electrical shock, fire, or personal injury, read the "712B Safety Sheet" before you use this Product.

Go to [www.fluke.com](http://www.fluke.com) to register your product, download manuals, and find more information.

### Magnetic Hanger



### RTD Type

1. RTD TYPE button

2. Up/Down arrow buttons

3. RTD TYPE button

### Settings

1. SHIFT button

2. RTD TYPE button

3. Up/Down arrow buttons

4. Right arrow button (Enable/Disable)

5. RTD TYPE button

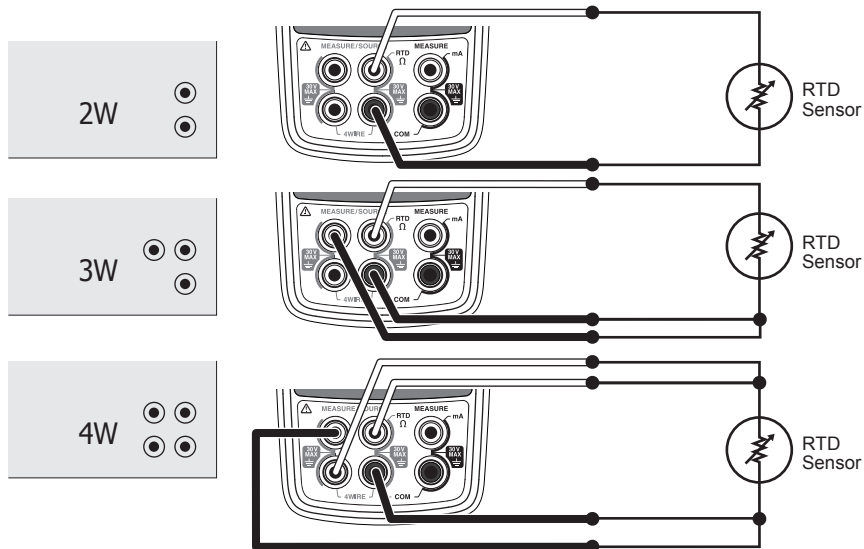
### RTD Measure

1. MEASURE SOURCE button

2. 2 3 4 WIRE button

2-, 3-, or 4-wire select

### RTD Temperature with RTD



### Units

1. SHIFT button

2. UNITS button (25% selected)

### Source

### RTD Simulate RTD

**SOURCE**

- MEASURE SOURCE
- RTD TYPE
- RTD TYPE
- RTD TYPE

Source  
100%  
Ohms  
Pt10(385) °C  
Pt50(385) Ω  
Pt100(385) mA  
Pt200(385)  
Pt500(385)  
Type: Pt100(385)

### Temperature RTD

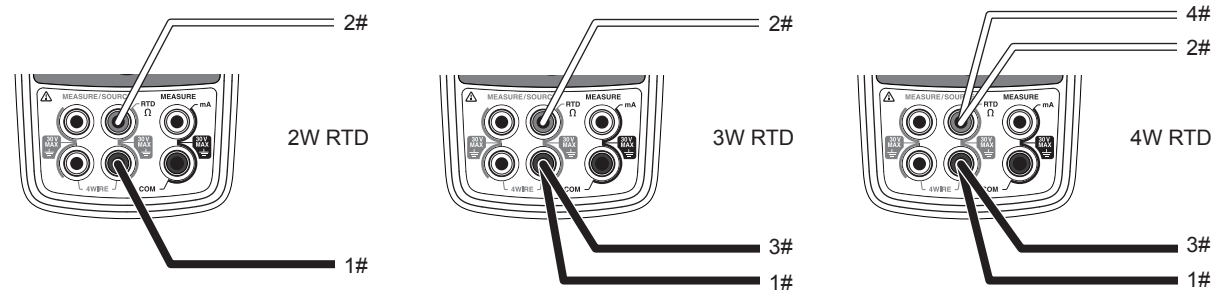
**SOURCE**

- MEASURE SOURCE
- RTD TYPE
- RTD TYPE

Source  
100%  
100.0 °C  
1403 Ω  
14.012 mA  
Type: Pt100(385)

### Source

### Simulate/Source 2W/3W/4W RTD



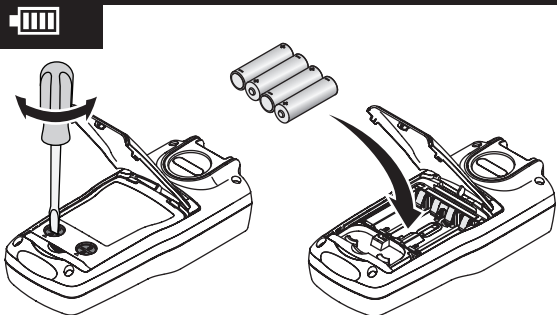
### Contrast

**MEASURE**

- MEASURE SOURCE
- MEASURE SOURCE
- MEASURE SOURCE

Measure  
32.2 °C  
14.012 mA  
Type: K

Measure  
32.2 °C  
14.012 mA  
Type: K



### 0%

**A**

- MEASURE SOURCE
- SHIFT
- 0%

Source  
0%  
-202.0 °C  
17.65 Ω  
14.012 mA  
Type: Pt100(385)

### 100%

**B**

- MEASURE SOURCE
- SHIFT
- 100%

Source  
100%  
238.0 °C  
189.75 Ω  
14.012 mA  
Type: Pt100(385)

### Linearity or Span Test

**C**

0% 25% 25% 100%

OR

Source  
75%  
128.0 °C  
149.08 Ω  
14.012 mA  
Type: Pt100(385)

### Ramp or Step

**D**

- MEASURE SOURCE
- SHIFT
- Ramp / Step

Source  
100%  
238.0 °C  
189.75 Ω  
14.012 mA  
Type: Pt100(385)

^ Ramp  
v Step

### Scale mA Channel to Temperature

**1** SHIFT

**2** mA / °C

OR

**3** SHIFT

**4** mA

Source  
75%  
100.2 °C  
138.58 Ω  
100.2 °C  
Type: Pt100(385)

Note:  
Temperature at 4 mA =  
Span check 0 %  
Temperature at 20 mA =  
Span check 100 %