

## Vacuum Gauge KJL-SPARC

Vacuum Display for SPARC Active Gauges

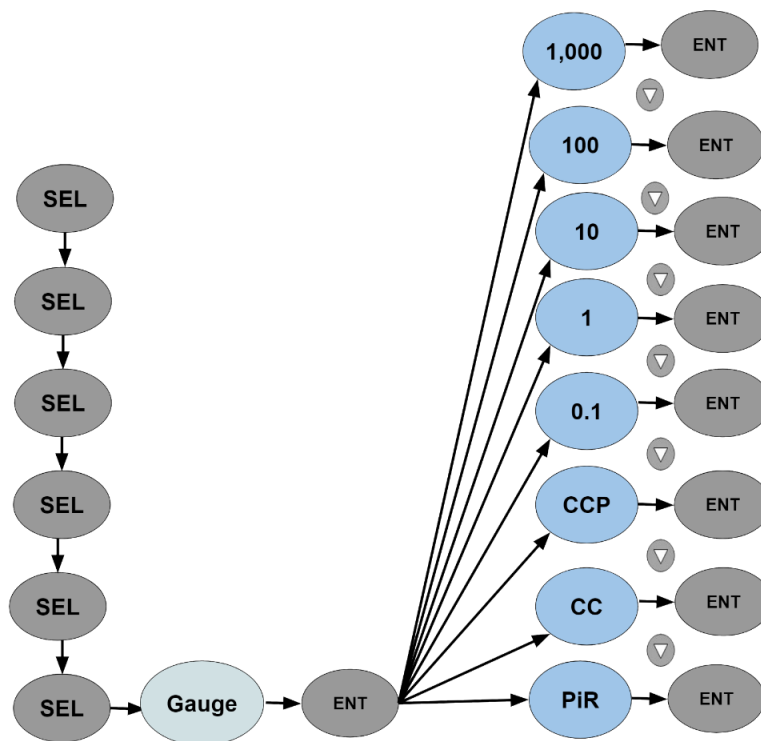
| Specifications |   |
|----------------|---|
| Power:         | 5.0 VDC, 110/220VAC 60/50 Hz                                |
| Sensor:        | KJL-SPARC Capacitance Diaphragm, KJLC Pirani, CC, CC/Pirani |
| Range:         | 0.1 Torr, 10 Torr, 100 Torr, 1000 Torr                      |
| Units:         | Torr, mbar, kPA   |
| Accuracy:      | Based on selected capacitance manometers                    |

### Verify components

- ✓ Controller with digital display in a plastic box
- ✓ 10' cable that connects the controller with the sensor (Sensor cable)
- ✓ FCC68 - DB15 converter
- ✓ Power Adapter with US, EU, AU and UK plugs
- ✓ Verify cable lengths: 10', 25', or 50'
- ✓ This quick start sheet

### Quick Install Instructions

1. Take the unit out of the packaging
2. Mount sensor. Preferred orientation is vacuum interface down
3. Configure active gauge or capacitance diaphragm gauge:



### Check Readings

- ✓ Verify that the readings make sense.

# Vacuum Display KJL-SPARC

## Calibration Points and Reference



| SPARC Sensor ID | Gauge Name                                     | Description  |
|-----------------|--|--|
| 0.1             | 0.1 Torr ambient capacitance diaphragm gauge   | 0.1 Torr gas independent gauge for high accuracy measurement   |
| 1               | 1 Torr ambient capacitance diaphragm gauge     | 1 Torr gas independent gauge for high accuracy measurement     |
| 10              | 10 Torr ambient capacitance diaphragm gauge    | 10 Torr gas independent gauge for high accuracy measurement    |
| 100             | 100 Torr ambient capacitance diaphragm gauge   | 100 Torr gas independent gauge for high accuracy measurement   |
| 1,000           | 1,000 Torr ambient capacitance diaphragm gauge | 1,000 Torr gas independent gauge for high accuracy measurement |
| CC              | KJLC Cold Cathode Gauge                        | Cold cathode inverted magnetron high vacuum gauge              |
| CCP             | KJLC Cold Cathode + Pirani Combination Gauge   | Combination cold cathode inverted magnetron Pirani gauge       |
| PIR             | KJLC Pirani Gauge                              | Advanced digital Pirani gauge with stainless steel sensor cell |

For Full Instruction Manual:

**Kurt J. Lesker**  
Company

<http://www.lesker.com/newweb/gauges/>