

### STANDARD SENSORS WITH INTERNAL ELECTRONICS

All sensors with internal electronics are available with high-speed serial data output for use with **JR3** receivers. Certain models are optionally available with analog output. Contact **JR3** for information about models not listed. Sensors are available with most ISO 9409-1 bolt patterns and with bolt patterns to match many industrial robots. Custom bolt patterns and other design modifications are available at extra cost. Most sensor models are available made from stainless steel at an extra cost, for up to 2.7 times load capacity of standard aluminum sensors.

	QTY 1 - 4
<b>MODEL 50M31A3</b> 25 lbs capacity 50 mm diameter, 31mm thick.	\$4,735
<b>MODEL 67M25A3</b> 15, 25 or 50 lbs capacity 67 mm diameter, 25 mm thick	\$4,485
<b>MODEL 90M31A3</b> 25 or 50 lbs capacity 90 mm diameter, 31 mm thick	\$4,485
<b>MODEL 90M40A3</b> 100 lbs capacity 90 mm diameter, 40 mm thick.	\$4,485
<b>MODEL 100M40A3</b> 25, 50 and 100 lbs capacity 100 mm diameter, 40 mm thick.	\$4,485

### IMPROVED PERFORMANCE SENSORS

Sensors use a full bridge strain gage configuration and a 16 bit A/D for improved performance.

<b>MODEL 45E15A4</b> 25, 50, 100, 150, or 250 lbs capacity 4.5 inches diameter, 1.5 inches thick. Analog output is optionally available.	\$5,285
<b>MODEL 75E20A4</b> 100, 150, 250, or 500 lbs capacity 7.5 inches diameter, 2.0 inches thick. Analog output is optionally available.	\$5,915
<b>MODEL 160M50A3</b> 75, 100, 150 or 250 lbs capacity 160 mm diameter, 50 mm thick.	\$5,410
<b>12 DoF (accelerometers) Option</b> (available on select sensors)	\$1,500

### SENSORS FOR EXTERNAL ELECTRONIC SYSTEMS

Sensors without internal electronics are intended for use with **JR3** external sensor electronic systems, which are available with digital output, analog output or optionally both. Prices shown are for standard model aluminum sensors, up to 4 inches in diameter and up to 100 lbs in capacity. Custom bolt patterns and other design modifications are available at an extra cost. Most sensor models are available made from stainless steel at an extra cost, for up to 2.7 times load capacity of standard aluminum sensors. Price includes sensor calibration matrix used to remove cross coupling. For sensors larger than 4 inches: \$200 per inch additional cost plus an additional \$100 for sensors above 150 pounds.

	QTY 1 - 4
<b>STANDARD SENSOR</b> For external electronics	\$4,390
For Example: <b>45E20A4-U760 250L1125</b>	\$4590

Restocking Fee-15%

Stainless Steel or Titanium option available for most sensors, additional fee



Multi-Axis Load Cell Technologies

# EXTERNAL SENSOR ELECTRONICS PRICE SCHEDULE

Effective August 2010

Prices subject to change without notice

JR3, Inc.  
22 Harter Avenue  
Woodland, CA 95776

(530) 661-3677  
Fax (530) 661-3701  
email: jr3@jr3.com

## EXTERNAL SENSOR ELECTRONICS

For **JR3** sensors without internal electronics. The electronic system includes analog amplification and signal conditioning and low-pass filter circuits. For electronics with dual gains, there is an additional charge of \$150.

### EXTERNAL ELECTRONIC SYSTEM WITH SERIAL DATA OUTPUT

**P/N 2900**

\$1,680

Provides the same high-speed serial data stream as sensors with internal electronics. Optionally provides calibrated analog output. Cross coupling is not removed from analog output.

### EXTERNAL ELECTRONIC SYSTEM WITH ANALOG DATA OUTPUT ONLY

**P/N 1215**

\$1,520

Provides analog output at up to +/- 10 V for 3 forces and 3 moments. Cross coupling is not removed. The matrix for cross coupling removal and calibration is provided with sensor.

## POWER SUPPLIES

### POWER SUPPLY 120V

**P/N 1410**

\$150

For P/N 1215, 2900 and sensors with internal analog electronics

### POWER SUPPLY 120V

**P/N 1405-2**

\$210

For P/N 2900, Staubli controller systems

### POWER SUPPLY 220V

**P/N 1404**

\$375

For P/N 1215, 2900 and sensors with internal analog electronics

Educational Discounts Available  
Quantity Discounts Available  
OEM Discounts Available

Restocking Fee-15%



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# RECEIVER ELECTRONICS PRICE SCHEDULE

Effective September 2009  
Prices subject to change without notice

JR3, Inc.  
22 Harter Avenue  
Woodland, CA 95776

(530) 661-3677  
Fax (530) 661-3701  
email: jr3@jr3.com

## DSP BASED RECEIVER/PROCESSOR INTERFACE SYSTEMS

Use with **JR3** sensors with internal or external electronic systems having high-speed serial data output.

			<b>QTY 1 - 4</b>
<b>PCI DESKTOP 5V 33MHZ</b>	1 sensor	<b>P/N 1583</b>	\$980
	1 sensor	<b>P/N 1595-2</b>	\$980
	2 sensors	<b>P/N 1594</b>	\$1,310
	3 sensors	<b>P/N 1596</b>	\$1,640
	4 sensors	<b>P/N 1593</b>	\$1,910
<b>PCI DESKTOP 3.3V 33MHZ (LOW PROFILE)</b>	1 sensor	<b>P/N 1584</b>	\$980
<b>PCI DESKTOP 3.3V 33MHZ</b>	2 sensors	<b>P/N 1598</b>	\$1,310
	3 sensors	<b>P/N 1599</b>	\$1,640
	4 sensors	<b>P/N 1597</b>	\$1,910
<b>cPCI 3U 5V 33MHZ</b>	1 sensor	<b>P/N 1603</b>	\$1,290
	2 sensors	<b>P/N 1604</b>	\$1,620
	3 sensors	<b>P/N 1605</b>	\$1,950
	4 sensors	<b>P/N 1606</b>	\$2,280
<b>cPCI 3U 3.3V 33MHZ</b>	1 sensor	<b>P/N 1607</b>	\$1,290
	2 sensors	<b>P/N 1608</b>	\$1,620
	3 sensors	<b>P/N 1609</b>	\$1,950
	4 sensors	<b>P/N 1610</b>	\$2,280
<b>PMC 5V 33MHZ</b>	1 sensor	<b>P/N 1623</b>	\$1,290
	2 sensors	<b>P/N 1624</b>	\$1,620
<b>PC104+ 5V 33MHZ</b>	1 sensor	<b>P/N 1633</b>	\$1,290
	2 sensors	<b>P/N 1634</b>	\$1,620
<b>PC104+ 3.3V 33MHZ</b>	1 sensor	<b>P/N 1635</b>	\$1,290
	2 sensors	<b>P/N 1636</b>	\$1,620

Educational Discount 10%  
Quantity Discounts Available  
OEM Discounts Available

Restocking Fee-15%