

# CIR4163 .45kg Scale



**Circuit 4163 Scale** features precision thin-film stain gauge technology, rugged construction, splash resistance, RF immunity, overload protection, and unlimited color and material selection. Rugged medical reagent/waste scale with overload protection from side loads, tension, and compression. The scale features a thin-film load cell that is center balanced and has a long term stability specification of better than 0.1% per year.

## Product Specifications:

<b>Maximum Used Load:</b>	0.45 Kg
<b>Total Height:</b>	1.45"
<b>Size (Footprint of Baseplate):</b>	3.88x6.81"
<b>Min. Zero Offset w/Platform:</b>	0.2 mV
<b>Max. Output @ Max. Used Load:</b>	19.8 mV
<b>Min. Working Output Span:</b>	9 mV (0.22 m V/gram)
<b>Excitation Voltage:</b>	10 V
<b>Load Sensing Element:</b>	Strain Gage Bending Beam
<b>Bridge Resistance:</b>	1,000 $\Omega$ or 5,000 $\Omega$
<b>Operating Temperature Range:</b>	15 to 34°F, -10 to 70°C
<b>Ambient RH Range:</b>	10-90%
<b>Max. Machine Tilt:</b>	2°
<b>Accuracy:</b>	30 grams, off center loading 1/2 capacity @1/2
<b>Distance from Center Edge:</b>	150% Full Scale or Better
<b>Overload:</b>	0.150 grams
<b>Linearity:</b>	0.150 grams
<b>Hysteresis:</b>	0.150 grams
<b>Repeatability:</b>	0.150 grams
<b>Creep:</b>	0.18 grams in 1 minute
<b>Corner Balance:</b>	9 mV when Powered @ 1/2 Scale @10V Excitation

## Features:

- Custom Platforms Available
- RoHs Scales Available Upon Request

## Applications:

- Medical
- Reagent
- Waste

