**Cotización de células de carga**

**Steve Mena Navarro**

Las incertidumbres fueron calculadas como:

Se tomó 20 °C

**Categoría 1:**

5 kg – 7 kg +- 50 g @1%

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Célula** | **Carga máxima** | **Error (%FS)** | **Error (g)** | **Precio ($)** | **Link** |
| VIR VLC134 10kg | 10 kg | 0.11 | 11 | 56 | <http://www.loadcellsonline.com/virtual-vlc134-single-point-aluminum-load-cell/> |
| load cell SEN 7344-6kg | 6 kg | 0.02 | 1.2 | 124 | <http://www.scalemarket.com/Aluminum-Single-Point-LOad-Cell-Sentronik-7344-300g-600g-1kg-2kg-3kg-6kg.html> |
| VIR VLC134 6kg | 6 kg | 0.02 | 1.2 | 56 | http://www.basculas.us/product.php?productid=224 |

**Categoría 2:**

0.5 kg 5 g @1%

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Célula** | **Carga máxima** | **Error (%FS)** | **Error (g)** | **Precio ($)** | **Link** |
| VIR VLC134 3kg | 3 kg | 0.11 | 3.3 | 56 | <http://www.loadcellsonline.com/virtual-vlc134-single-point-aluminum-load-cell/> |
| VIR 131 5lb | 5 lb | 0.12 | 3 | 63 | <http://www.loadcellsonline.com/virtual-vlc131-aluminum-single-point/> |
| SEN 7344-600g | 0.6 kg | 0.02 | 0.12 | 124 | http://www.scalemarket.com/Aluminum-Single-Point-LOad-Cell-Sentronik-7344-300g-600g-1kg-2kg-3kg-6kg.html |

**Categoría 3:**

50 g 1 g @2%

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Célula** | **Carga máxima (kg)** | **Error (%FS)** | **Error (g)** | **Precio ($)** | **Link** |
| SEN 7252-300 g | 0.3 | -- | - | 128 | http://www.scalemarket.com/Aluminum-Single-Point-Load-Cell-Sentronik-7252-100g-200g-300g-500g-1kg-2kg-3kg-5kg.html |
| CZL639HD | 0.1 | 0.2 | 0.2 | 7 | <https://www.phidgets.com/?tier=3&catid=9&pcid=7&prodid=230> |
| F-25 | 0.05 – 0.1 | 0.2 | 0.1 | 295 | https://www.omega.com/pressure/pdf/LC\_SELGUIDE.pdf |

<https://measurementsensors.honeywell.com/ProductDocuments/Load/Model_31_Datasheet.pdf> No se encontró el precio.

<https://www.tecsis.us/force-load/compression-load-cells/miniature-compression-load-cells/subminiature-compression-load-cell.html>

No se encontró el precio.

**Categoría 4:**

5 g 0.1 g @2%

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Célula** | **Carga máxima (g)** | **Error (%FS)** | **Error (g)** | **Precio ($)** | **Link** |
| LSB200 | 10 | 0.8 | 0.08 | En espera | [**https://www.dataq.com/products/load-cell/load-cell-lsb200.html**](https://www.dataq.com/products/load-cell/load-cell-lsb200.html) |
| \* | 500 | 0.002 | 0.01 | 11.50 | https://www.ebay.com/itm/Electronic-Digital-Mini-Scale-Weighing-JEWELRY-PLATFORM-Kitchen-500g-0-01g/183172727320?hash=item2aa5f20218:g:GTUAAOSwC7RazRLb |
| \* | 500 | 0.02 | 0.01 | 12.99 | https://www.amazon.com/GDEALER-Digital-Kitchen-0-001oz-Stainless/dp/B01E6RE3A0/ref=sr\_1\_1?s=industrial&ie=UTF8&qid=1529013350&sr=1-1&keywords=scale+0%2C01 |

\*Se piensa desarmarla para sacar la célula de carga.