



## Mark-10 RG20 Force Measurement Module, 20 x 0.02 lb

The RG smart load cell is a plug-and-play force measurement building block designed for integration within assembly systems, weighing systems, and other process automation and testing automation applications. All functions are controlled by commands sent from a PC or PLC via its RS-232 connector. The RG's ASCII command library allows for peak force recall, set points, data averaging, data filtering, calibration, and many other functions.



**MARK-10**

Manufacture: Mark 10

SKU: **RG20**

Weight: 10.00 lb

**Free Ground Shipping within  
the 48 continental US States**

**Please Call (800)832-0055**

### Features

The RG smart load cell is a plug-and-play force measurement building block designed for integration within assembly systems, weighing systems, and other process automation and testing automation applications. All functions are controlled by commands sent from a PC or PLC via its RS-232 connector. The RGs ASCII command library allows for peak force recall, set points, data averaging, data filtering, calibration, and many other functions. A rugged aluminum housing makes the RG durable enough to withstand the rigors of manufacturing environments. Capacities are available from 2 lb to 200 lb (10 N to 1000 N).

#### Features:

- Measures tension and compression forces
- Dedicated force limit outputs for direct hardware control (relays, etc)
- Direct interface for PLCs
- RS-232 and Mitutoyo outputs
- GCL-Gauge Control Language for full computer control
- Averaging mode for average readings over time
- External trigger for contact or switch testing and data capture
- General purpose I/O for external device control
- Programmable digital filters
- Selectable units of measurement
- Programmable default configuration
- Peak memory for tensile and compressive forces
- Power via 9 - 12 VDC
- Same housing size for all capacities
- Optional cable with bare leads for integration with PC/PLC and external power supply
- Accuracy:  $\pm 0.5\%$  of full scale  $\pm 1$  digit

- Safe overload: 150% of capacity
- Weight: 0.55 lbs (0.25 kg)
- Environmental requirements: 40°F - 100°F [5°C - 45°C],

Model	RG2	RG5	RG10	RG20	RG50	RG100	RG200
Capacity x resolution	2 x 0.002 lb	5 x 0.005 lb	10 x 0.01 lb	20 x 0.02 lb	50 x 0.05 lb	100 x 0.1 lb	200 x 0.2 lb
Load Cell Deflection	0.009 [0.23]	0.005 [0.13]	0.010 [0.25]	0.004 [0.10]	0.010 [0.25]	0.010 [0.25]	0.010 [0.25]
Accuracy	± 0.5% of full scale ±1 digit						
Safe overload	150% of full scale (display shows "----" at 110% and above)						
Environmental requirements	40° F - 100°F [5°C - 45°C],						
Weight	0.55 lbs (0.25 kg)						

## Accessories

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