



Morehouse
THE FORCE IN CALIBRATION SINCE 1925

PG-4105
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ISO/IEC 17025 / ANSI/NCSLI Z540.3 Accredited

Product Guide

G501F Indicator



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✓ Able to operate on batteries or standard receptacle

✓ 6 digit LCD display capable of displaying 999,999



✓ Front panel functions: Units, Peak, Zero, Data

✓ Portable digital display for use as a strain gauge indicator or load cell indicator

Standard Features

- Suitable for one load cell
- Compression and tension modes
- Multi-point calibration in both loading modes
- Display Resolution: up to 999,999 counts
- Serial Port: full duplex RS-232C
- Bracket: stainless steel swivel bracket
- Display: Backlit LCD
- Full front panel configuration
- Housing: ABS NEMA 12
- Digital calibration: full front panel calibration
- Power: AC adapter or alkaline battery
- Battery Life: 40 hours continuous use
- Auto Shut-off: extends battery life
- Certified for use in Canada & USA

Introduction

The G501F is a Canadian certified digital indicator housed in a durable black ABS NEMA 12 enclosure. It is equipped with an easy to read 0.9" LCD display with back light.

A full duplex RS-232 port can transmit data on demand or continuously to match the input requirements of a wide variety of peripheral devices including printers, remote displays and computers.

Best of all, the G501F can be operated on AA Alkaline batteries or re-chargeable batteries. It is a leader in reliable performance and provides high value at a low cost.





Technical Specifications

Specifications	G501F Load Cell Indicator
Input	
Non-Linearity	$\pm 0.0015\%$
Load Cell Excitation	+3.3 VDC
Analog Signal Input Range	$\pm 3.125 \text{ mV/V (max.)}$
A/D Resolution	Up to 4,800,000 internal counts at 4.5 mV/V
Display	
Screen Type	0.9", 6 Digit LCD with LED backlight
Resolution	Up to 999,999 external grads
Update Rate	60 Hz $\pm 0.1\%$
Maximum Count	6 digits
Engineering Units	lbf, kgf, N, kN, klbf, gf, ozf
General I/O's	
Serial Port	Full Duplex RS-232C
Power Supply	5.9 VDC, 600 mA switching wall adaptor
Environmental	
Operating Temperature	14°F to 104°F (-10°C to 40°C)
Calibrations Types	
Key-in mV/V	Enter up to 7 positive and 7 negative mV/V values
Live Span	Capture up to 7 positive and 7 negative points
Dimensions	
Height x Width x Depth	3.2" x 6.8" x 2.3" (81mm x 173mm x 60mm)
Weight	1.41 lbs

Force Sensor Cable Leads

Color	Function	Color	Function
Black	- Excitation	White	+ Signal
Red	+ Excitation	Green	- Signal

Cable sold separately.