C705P Digital Indicator

- Calibration B coefficients can predict load cell deflection values
- 7 digit LCD display capable of displaying 999.9999
- Does not require additional software to use B coefficients
- C705P uses a segmented line method to reduce bias
- Program up to 5 discrete channels

The C705P Digital indicator is a standalone unit that does not require additional software, load tables, or computers to use the B coefficients and solve for Force.

The Morehouse C705P Digital Indicator can use span calibrations or coefficients at a lower price point than the 4215 plus. This indicator is fantastic for field calibration, where the calibration is performed using either ASTM E74 or ISO 376 as the calibration standard. The C705P can also be programmed for span calibrations, which are typical for those wanting a defined accuracy specification and calibration with verification to that specification.

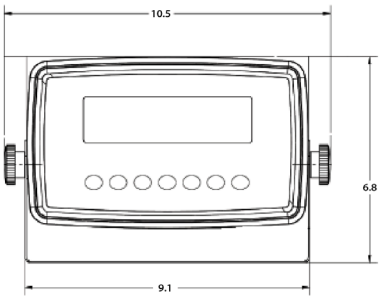
Standard Features

- Large, Easy to read 7 digit LCD with 6 selectable backlit colors
- Perfect for ISO 7500 and ASTM E4 calibration as calibration coefficients can be used to display engineering units
- Calibration B coefficients can predict load cell deflection values throughout the calibrated range.
- If an accuracy specification is required, the C705P uses a segmented line method to reduce bias
- Can program up to 5 discrete channels, tension and compression, or 1 mode only
- Up to 100,000 external grads resolution
- Enclosure meets IP-69K
- Heavy Duty Swivel Mounting Stand

Technical Specifications

Specifications	C705P Digital Indicator
Input	
Load Cell Excitation	+3.3 VDC
Analog SignalInput Range	± 3.125 mV/V (max.)
A/D Resolution	10Hz to 960Hz, selectable
Display	
Screen Type	1.0", 7 Digit LCD with LED backlight
Resolution	Up to 100,000 external grads
Update Rate	60 Hz ± 0.1%
Maximum Count	7 digits
Engineering Units	lbf, kgf, N, kN, klbf, gf, ozf
General I/O's	
Serial Port	Full Duplex RS-232
Power Supply	110-240 VAC, 50/60 Hz
Environmental	
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Dimensions	
Height x Width x Depth	6.6" x 10.5" x 3.9" (168mm x 267mm x 100mm)
Weight	1.41 lbs

Dimensions



Height (in/mm)	Width (in/mm)	Depth (in/mm)	Base Width (in/mm)	Base Depth (in/mm)
6.6 /168	10.5 / 267	3.0 / 78	9.1 / 233	3.9 / 100

Wiring

Force Sensor Terminal (J1)			
Connector Pin	Description	Connector Pin	Description
GND	Shield	S -	Signal -
E +	Excitation +	SE -	Sense -
SE +	Sense +	E -	Excitation -
S +	Signal +