

Bulk Bin/Feed Weighing

Live Animal Weighing

CATTLE-LOGGER®

Automatic Sorting

Poultry Growth Monitors

Feed Mixer Scales

Pen & Platform Scales

Custom Load Cells & Pins

Load Cell Repairs

All Weather Weight Indicators

Pumpjack Load Cells

Mobile Weighing Systems

Wireline Load Systems

R&D Projects

Data Loggers

Rentals

- ▶ Track daily feed consumption
- ▶ Continuously monitor feed inventory
- ▶ Ensure correct feed deliveries
- ▶ Deliver preset amounts of feed automatically
- ▶ Detect consumption problems immediately
- ▶ Calculate feed conversions daily



MODEL 500



MODEL C10P

"When profits hang in the balance, get a Reliable Scale"

RELIABLE SCALE CORPORATION 520 Moraine Road NE, Calgary, Alberta, Canada T2A 2P2
TELEPHONE: (403)272.8784 • FAX: (403)273.9818 • E-mail: info@reliablescale.com

PRODUCT DESCRIPTION

MODEL 500

- Compatible with most makes and models of strain gage load cells
- Single programmable alarm point, TTL compatible output to control external devices for measured feed discharge
- Optional 4-20 mA output for integration into PLC systems
- RS-232 output to link to PC, printer, or PLC
- "Gross/Net and Tare" features to monitor total inventories as well as daily consumption
- All weather operation
- Use in conjunction with a poultry growth monitor to achieve "real" feed conversion numbers
- Large, easy to use keypad with simple menus
- No confusing calibration procedures necessary
- Ruggedly designed and built for agricultural applications
- Real time internal clock with time and date
- 1", six digit, backlit LCD display is easy to read in dimly lit barns or in bright sunshine
- Optional 12 VDC battery backup in case of a power brownout or outage

MODEL C10P LOAD CELL

- Simple, easy to install design fits most new and existing feed bins
- Accurate to within $\pm 1\%$ at full load with proper installation
- Exclusive design eliminates incorrect loading and can be installed easily in new or existing facilities
- Combinations available from 4 - 12 bin legs up to 120 tons capacity
- 100% overload capacity is standard on all load cells
- No additional mounting brackets or hardware required for most systems
- "Full Bridge" strain gage design can be field calibrated if necessary
- Manufactured with high quality steel and aluminum, plated to inhibit rust and corrosion
- Load cells come with 25' of cable each to reach into the barn for easier access to the display
- Low profile load cells raise the bin only 2"

SPECIFICATIONS

MODEL 500

OPERATING TEMPERATURE	-30°C to +60°C
INPUT VOLTAGE REQUIREMENT	12 to 24 VDC
DISPLAY	1", 6 digit LCD w/backlight
LOAD CELL EXCITATION	7.5 VDC
ALARM DETAIL	One output w/optional external I/O port
COMPUTER INTERFACE	RS-232 w/optional RS-232, RS-422, RS-485
INCREMENTS	1, 2, 5, 10, w/decimal point
COUNTS	230,000 internal
CASE DIMENSIONS	9"W X 5.875"H X 2.375"D
CURRENT REQUIREMENTS	200 mA @ 12VDC typical (1 load cell)
LOAD CELL OPTIONS	Up to 6 - 350 Ω cells or 12 - 700 Ω cells
DISPLAY UPDATE RATE	Programmable
A/D CONVERSION	Sigma-Delta
ZERO TRACKING	Programmable
CALIBRATION	Field programmable
ZERO RANGE	Up to full scale
SHIPPING WEIGHT	2.5 lb

MODEL C10P LOAD CELLS

Model:	C10P-2K	C10P-5K	C10P-10K	C10P-20K
Shipping Weights:	6 lb	7 lb	11 lb	20 lb
Standard Capacities:	2000 lb	5000 lb	10000 lb	20000 lb
ACCURACY	$\pm 0.25\%$ at full load			
OPERATING TEMPERATURE	-40°C to +60°C			
SAFE OVERLOAD	100% of capacity			
FULL SCALE OUTPUT	1.5 mV/V nominal @ full load			
MAXIMUM EXCITATION	15 Vac or DC			
BRIDGE RESISTANCE	350 Ω or 700 Ω nominal, each bar			
DIMENSIONS	14"L X 2"W X 2"H			
CABLE	20' - 4 conductor & shield			

Custom designs available upon request