

# AutoCELL™

## CALIBRATION-STANDARD LOAD CELLS

### FEATURES:

- NO CONTROLS TO ADJUST... A START button is the only outside control. Automatic shut off after 5 minute idle.
- AUTOMATIC ZERO ADJUSTMENT... Built-in circuits assure the zero-balance is correct before each measurement.
- DISPLAY ACCURACY... AUTO-CELLS digitally display tonnage in 1 ton increments at an accuracy of  $\pm 0.5\%$  FS.
- AUTOMATIC UPDATE ON EACH STROKE... Peak forming tonnage is measured, remembered, and displayed after each press stroke.
- SAFETY... AUTO-CELLS have a 50% overload factor. They can withstand a tonnage 50% over the rated capacity without permanent distortion.
- PRACTICAL AND LOW COST... AUTO-CELLS digitally display peak tonnage. There is no need to purchase a separate instrument or cables to use AUTO-CELLS.
- AUTOMATIC SHUT-OFF TIMER... The AUTO-CELL automatically turns itself off if the load cell is not used for more than 5 minutes. To resume measuring, press the START button.
- DIGITAL TONNAGE DISPLAYS FOR ACCURATE PRESS SET UP... Load cell measurement makes it convenient and relatively simple to set up a press scientifically instead of by guessing. (Dynamic press ram leveling).
- ACCURATE LOAD DISTRIBUTION... Recommendation: use two load cells for a C-frame press and four load cells for a straight-side press when verifying press load characteristics. AUTO-CELLS are available individually or in sets of two or four.
- CALIBRATION LOAD CELLS... Constructed with the highest quality 4340 steel for the longest life of any cell on the market today. AUTO-CELLS can be used to verify press calibration, working tonnages, production and tonnage monitors, and hydraulic overloads.

### ALL AutoCells HAVE:

Accuracy	$\pm 0.5\%$ FS
Non-linearity	$\pm 0.3\%$ FS
Non-repeatability	$\pm 0.1\%$ FS
Overload:	150% of capacity
Threshold setting:	Measurement begins at 1% capacity
Power	Standard 9V alkaline battery. Approx. 30 hours of continuous use.

SPECIFICATIONS	AC-100	AC-250	AC-500
Capacity	100 tons	250 tons	500 tons
Weight	9.25 lbs.	26 lbs.	70 lbs.
Resolution	0.1 ton	1 ton	1 ton
Dimensions	5.25"Lx5.21"W Ht, 4.0" $\pm$ 0.001	7.19"Lx7.75"W Ht, 5.0" $\pm$ 0.001	9.00"Lx7.40"W Ht, 7.0" $\pm$ 0.001
Operation Mode	Peak or Track. Resets at: 1 ton threshold	2.5 ton threshold	5.0 ton threshold



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# AUTOCELL™

By Toledo Transducers, Inc.

**No One Else Manufactures Anything Like The Auto-Cell™...**

**Toledo Transducers offers AUTO-CELL calibration-standard load cells** with built-in instrumentation for measuring dynamic tonnage applied by metal forming presses. The AUTO-CELL is a self-contained strain gage based load cell that is calibrated on equipment traceable to the National Bureau Of Standards. AUTO-CELLS are available in 100, 250, and 500 ton capacities.

**Calibrations and press checks are now very quick and easy.** It is no longer necessary to connect load cells to a portable instrument. The AUTO-CELL is one compact, easy-to-use unit without extensive setup, additional instruments or cables. It is easy for anyone to place AUTO-CELLS into a press and get immediate tonnage readings. With AUTO-CELL, it is now practical for non-technical people to easily check such things as ram-to-bed parallelism and use AUTO-CELLS for press calibration and testing.