

The ALTEK Family of Pressure Calibrators



830R CALIBRATION KIT

All the tools you need to calibrate I/Ps, P/Is and other pressure instruments, with a special package price, including:

- TechChek® 830R Recording Process Calibrator.
- Model 618P Pressure Pump – generates up to 145 PSI/10 BAR.
- ModPak 91 Pressure Module Holder.
- Any QuikCal A90 Pressure Module.
- Deluxe Carrying Case – neck strap for hands-free operation. Pocket holds 618P pump, leads, manual, and any accessories.



Highly accurate digital calibrators for pneumatic field instrumentation including: valve actuators, P/I transmitters, controllers, gauges, switches and recorders. They simultaneously display pressure and mA, and feature built-in power supplies. Accuracy is $\pm 0.035\%$.

Each unit includes: Built-in switch testing, AC adapter/charger, hard shell carrying case and instructions.

- 1-51 mA inputs.
- Switch test inputs.
- 100 PSID internal sensor.
- Reads up to 2,500 PSI with optional external sensor.
- Built-in 24 VDC loop power.
- Temperature compensated from -10° to 50°C (13° to 122°F).
- Selectable engineering units.
- Dual Digital Display – PSI and mA.
- Gauge, differential, or vacuum modes.

PNEU-CAL™ III

663 PNEUMATIC CALIBRATOR

The Model III features two built-in pumps for vacuum and pressure. Accepts any 90 series modules enabling measurement of pressures from vacuum to 10,000 PSI.

PNEU-CAL™ IV

664 PNEUMATIC CALIBRATOR

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ALTEK



**Maximum
Productivity
At The Touch
Of A Button**

UNSURPASSED ACCURACY

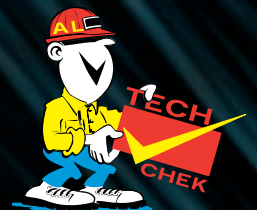
MODULAR VERSATILITY

COMPLETELY UPGRADEABLE

QuikCal™ 890
MULTIFUNCTION
CALIBRATOR

*Now Available in Standard (890P)
and Draft Range (891P) Models*

Y2K
COMPLIANT



ONE-TOUCH EASY!

The World's First Fully Automated Pressure Source And The World's Most Accurate Field Calibrator



For labor-free calibration, it's the remarkably lightweight and portable QuikCal™ 890 from Altek. You can now boost productivity by running multi-point pressure, temperature, or DC tests with the simple touch of a button. No other multifunction unit combines a built-in,

automatic, $\pm 0.025\%$ accuracy pressure source with the ability to accept a range of process modules.

The Altek 890 will measure and source a wide range of process signals including: DC mA, voltage, thermocouples, RTDs, and pressure. Its unique, patented pressure generating technology allows the unit to source pressures from 0.001 PSI to 100.000 PSI with unsurpassed accuracy of 0.025% of reading.



UNPARALLELED FLEXIBILITY

- Ranges from vacuum to 10,000 PSIG.
- Runs multipoint calibrations with the touch of a button.
- Built-in switch testing.
- Easily expandable to measure and source any process signal.
- Upgradeable to full documenting capability.
- Runs over six hours on one charge.
- Complete with batteries and charger, test leads, and manufacturer's certificate of calibration.

UNSURPASSED ACCURACY

Automatically tests pressure transmitters, calculates and displays errors, and records and displays results.

- Includes linearity, hysteresis, and drift.
- Valid across entire compensated range from -10° to 50°C .
- DC accuracy at $\pm 0.01\%$ FS.
- T/C, RTD accuracy to 0.015% FS.
- Handles wet (powered) or dry contact tests, with contact voltages up to 250 AC.



Save time and money. Ensure accurate calibration of pressure instruments.



Reduce time to complete calibrations for increased productivity in process industries.



Assure accuracy in pipeline custody transfer.

QUIKCAL 891P DRAFT RANGE MODEL FOR CRITICAL LOW PRESSURE APPLICATIONS

The Altek Automated QuikCal 891P Pressure Calibrator, for critical low pressure applications, features an automatic, built-in pump to generate and control pressure automatically from 0.002 "H₂O to ±200.000 "H₂O and slash your pressure testing time, while boosting productivity and critical accuracy. Now you can calibrate a draft range transmitter in less than five minutes! The results: substantial time and dollar savings, and continuous productivity.



Ideal for extremely low pressure, regardless of adverse environments.

MODULAR FLEXIBILITY

The 890 incorporates Altek's proven pressure generation and control technology into a truly lightweight, portable package.

- Fits a calibrator mainframe with your choice of modules to create a complete system.
- High-pressure modules are electronically linked to the 890 but pressurized by an external source.
- Pressure modules available for measurement of Gauge, Differential, Vacuum, Absolute, Compound, Draft and High Pressure; additional modules for Thermocouple, RTD and Electrical Signals.
- Engineering Units:



- **Pressure:** PSI, Pa, kPa, Mpa, BAR, mBAR, Atm, kgf plus torr, inches and mm of Hg or H₂O at a variety of temperatures.
- **Thermocouple:** Types B, E, J, K, N, R, S, T in °F and °C.
- **RTD:** A variety of Pt 50, 100, 200, 500 and 1000 Ohm, Cu 10 and 50 Ohm, Ni 110 and 120 Ohm curves in °F and °C.
- **Electrical:** mA and V DC.

PRESSURE MODULE SPECIFICATIONS

Gauge Modules				Differential Modules			
Model	Range	Accuracy	Media	Model	Range	Accuracy	Media
A90-5G	5 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-10WD	±10 "H ₂ O Diff.	±0.025 "H ₂ O	Clean Dry Gases
A90-10G	10 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-5D	5 PSID	±0.025% Rdg +0.01% FS	316SS High/Dry Gas Low
A90-30G	30 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-15D	15 PSID	±0.025% Rdg +0.01% FS	316SS High/Dry Gas Low
A90-100G	100 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-30D	30 PSID	±0.025% Rdg +0.01% FS	316SS High/Dry Gas Low
A90-300G	300 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-100D	100 PSID	±0.025% Rdg +0.01% FS	316SS High/Dry Gas Low
A90-500G	500 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	Absolute Modules			
A90-1000G	1,000 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-15A	15 PSIA	± 0.05% FS	316SS Compatible
A90-2500G	2,500 PSIG	±0.025% Rdg +0.01% FS	316SS Compatible	A90-30A	30 PSIA	± 0.05% FS	316SS Compatible
A90-5KG	5,000 PSIG	±0.1% FS	316SS Compatible	Vacuum Modules			
A90-10KG	10,000 PSIG	±0.1% FS	316SS Compatible	A90-15V	VAC to 0 PSIG	± 0.05% FS	316SS Compatible
Dual Sensor Module				A90-15C	VAC to 15 PSIG	± 0.05% FS	316SS Compatible
A90-10G/2500G	10/2500 PSIG	±0.025% Rdg +0.01%FS	316SS Compatible				

ELECTRICAL MODULE SPECIFICATIONS

Model	Range	Accuracy
A40E	mA/V	±0.015% Rdg +0.002 mA or 0.002V

TEMPERATURE MODULE SPECIFICATIONS

Model	Range	Accuracy
A60T	T/C	±0.015% Rdg +0.006 mV
A70T	RTD	±0.01% Rdg +0.075 ohms

