

# ALTEK

## PneuCal IV



### Features:

- High Accuracy – 0.035% FS
- 1-51 mA Inputs
- Switch Test Inputs
- 100 PSID Internal Sensor
- Built-In 24 VDC Loop Power
- Temperature Compensated From -10° to 50°C (13° to 122°F)
- Selectable Engineering Units
- Lightweight – Just 12 Pounds
- Dual Digital Display – PSI and mA

The Altek Pneu-Cal IV is a highly accurate, digital calibrator for pneumatic field instrumentation, including valve actuators, P/I transmitters, controllers, gauges, switches and recorders. It is especially suitable for checking 3 to 15 PSI systems. Its dual precision regulators enable output of set and variable pressures to control devices, while the switching manifold allows fast selection among the pressure ports. The unit simultaneously displays pressure and mA, and has a built-in loop power supply. Accuracy is  $\pm 0.035\%$  of full scale for all ranges.

Each Unit Includes: Built-In Switch Testing, AC Adapter/Charger, Test Leads, Hard Shell Carrying Case, Instructions.

### 664 PNEUMATIC CALIBRATOR SPECIFICATIONS

Pressure Ranges/Resolution:	-5.00 to 100.00 PSI, -34.47 to 680.00 kPa
Pressure Accuracy:	$\pm 0.035\%$ FS PSI (over -10 to +50°C range)
Pressure Engineering Units:	PSI; Pa; kPa; MPa; BAR; mBAR; atm; kgf/cm <sup>2</sup> ; mm Hg; in Hg @ 0°C and 15°C, in H <sub>2</sub> O: 4°C, 15°C, 20°C, 23°C; mm H <sub>2</sub> O @ 4°C and 23°C; cm H <sub>2</sub> O @ 4°C and 23°C
Electrical Engineering Units:	mA; % of 4-20 mA; % of 10-50 mA
Electrical Input Connections:	Double insulated, full-size banana jacks
mA Input Range:	1-51 mA
mA Resolution:	0.001mA
mA Accuracy:	$\pm 0.01\%$ FS
Temperature Effect:	0.005%/°C (mA Input only)
Loop Power:	24 VDC, $\pm 20\%$ , 25 mA max. (When loop power is enabled, the discharge rate on the batteries exceeds the charging capacity of the 16 VDC adapter.)
Switch Test:	Dry contacts only. (Display will freeze when switch test inputs change state. Press RESET key to resume normal operation.)
Operating Temperature:	-10°C to 50°C (13°F to 122°F)
Storage Temperature:	-30°C to 85°C (-22°F to 185°F)
Zero Adjustment:	Via front panel push-button (pressure only)
Display:	2-line, 16 character alpha-numeric display
Power:	Internal Ni-Cd batteries or 16 VDC adapter. (To charge battery the unit has to be powered off.)
Battery Life (typical):	23 hrs. (1 hr. with 24 VDC transmitter power at 20 mA)
Dimensions (h x w x d):	6"x13.5"x12"

Unless otherwise indicated, all specifications are referred to an ambient temperature of 23°C  $\pm 1^\circ$ C (72°F  $\pm 2^\circ$ F).