

Transmation Automated Pressure Calibrators

World's fastest pressure calibrator. Fast 2, 3 or 5 point tests to 100 PSI at the touch of a button, plus fully automatic switch testing!

- New Improved Design
 - 20% Lighter Plus More Rugged Case
 - Extended Battery Life (7 Hrs) and Shorter Charge Time (5 Hrs) Via New NiMH Batteries
- Built-in Pump Generates Vacuum/Pressure up to 100psi for Hands Free Calibrating
- Pressure Ranges from V AC to 5,000psig
- Accuracy: $\pm 0.025\%$ Rdg
- Process Modules for: DC, mA, V, T/C and RTD
- Source and Read Process Signal Ranges from 10" H₂O To 2,500psig



190P



A

Automated and Modular

The 190 Series has long been the calibrator of choice for those wanting a modular instrument for pressure generation and control. It can perform a 5-point differential test in 20 seconds. NEW design features, lighter weight, state-of-the-art battery pack and improved case design, will improve reliability and performance.

The 190 can be fitted with 1 or 2 modules; modules up to 100psi are connected directly to the internal pump. Higher pressure modules are electronically linked to the calibrator and are pressurized by an external source.

You can automatically test transmitters, calculate and display errors, and record and display the results. You can also automate the testing of pressure switches. The 190 can handle wet (powered) or dry contact tests, with contact voltages up to 250 VAC.

Each Unit Includes: New NiMH batteries and charger, test leads, instruction manual and manufacturer's statement of calibration practices.

VIP Buy a TRANSMATION 190
VALUE INCENTIVE PACKAGE **VIP Kit and Receive**

FREE FREE FREE

- Carrying Case
- Low Pressure Tubing/Fittings Kit
- Transcat 500 PSI Dirt/Moisture Trap
- Leatherman PST Tool
- Digital Multimeter

Savings of \$429

Specifications				
Mfg#	190P	191P	195P	196P
Internal Pump Range	-11 to 105 PSIG	± 10 PSIG	-11 to 105 PSIG	± 10 PSIG
Pump Control Stability	± 0.01 "H ₂ O	± 0.005 "H ₂ O	± 0.01 "H ₂ O	± 0.005 "H ₂ O
Documenting/ Print Test Data	No	No	Yes	Yes
Save & Recall Test Data	1 Test	1 Test	<30 Tests of data	<30 Tests of data
Range and Accuracy				
Current/ Voltage	50.000 mA $\pm 0.01\%$ Rdg + 0.01% FS			
Pressure Accuracy	See module information on facing page			
Loop Power	24 VDC $\pm 20\%$			
Input Protection	Solid state limit and mA input fuse protected			
Switch Test	Isolated, wet or dry, 250 VAC maximum			
Engineering Units	PSI, Pa, kPa, MPa, BAR, mBAR, Atm, kgf/cm ² , Torr, mmHg @ 0°C, "Hg @ 0°C and 15°C, "H ₂ O @ 4°C, 15°C, 20°C, and 23°C			
Power	Rechargeable 12V NiMH Battery, 7 hrs operation minimum			
Size/Weight	6H x 7.75W x 16.25"D/10 lbs			

DC T/C and RTD Module Specifications					
Mfg #	Range	Accuracy			
40E	mA: 0.000 to 24.000 mA	$\pm(0.015\%$ Rdg + 0.002 mA)			
	V: ± 11.000 VDC	$\pm(0.015\%$ Rdg + 0.002V)			
T/C Ranges	J/T/E	K/N	R/S	B	
60T	Accuracy	$\pm 0.2^\circ\text{C}$	$\pm 0.3^\circ\text{C}$	$\pm 0.6^\circ\text{C}$	$\pm 0.7^\circ\text{C}$
	mV Range	± 110.000 mV			
70T	Accuracy	$\pm(0.015\%$ Rdg + 0.006 mV)			
	12 RTD types (universal) 0 to 2000 ohms	$\pm 0.3^\circ\text{C}$ (200–600°C) Pt100 1.3850 $\pm(0.01\%$ Rdg + 0.075 ohms)			



40E



60T



70T

TRANSCAT

▶ Visit us at Transcat.com!

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CALIBRATION INSTRUMENTS