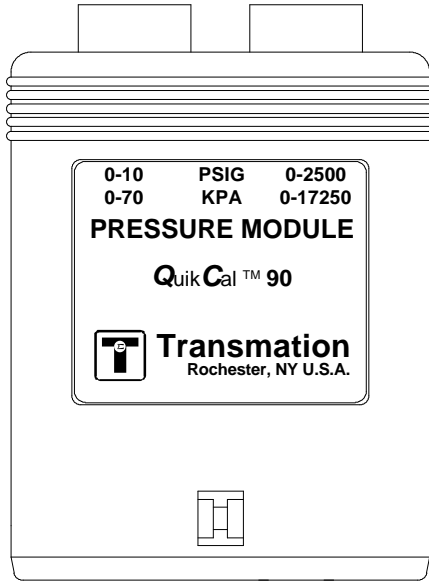


Differential Input and Dual-Range Configuration



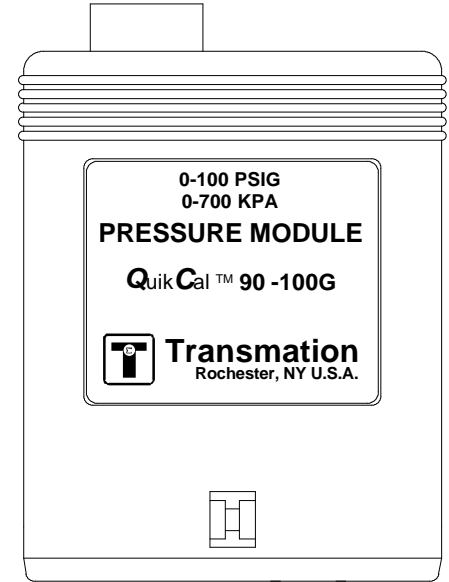
Factory Service and Warranty

Our equipment is guaranteed against defective material and workmanship (excluding batteries and leads) for a period of one year from the date of shipment. Claims under guarantee can be made by returning the equipment prepaid to our factory. The equipment will be replaced, repaired, or adjusted at our option. The liability of Transmation is restricted to that given under our guarantee. No responsibility is accepted for damages, loss, or other expense incurred through sale or use of equipment. Under no condition shall Transmation be held liable for any special, incidental, or consequential damage.

For factory service or warranty repair, call 800-828-1470 or 716-352-9460 (or fax 800-395-0543 or 716-352-1486) for the nearest Transmation repair facility.

E-mail: sales@transtek.com.au
Internet: www.transtek.com.au

QuikCal™ 90 Pressure Module



Safety Considerations

- It is imperative that all system pressure be relieved prior to making any connections or disconnections. Failure to relieve system pressure could result in serious personal injury and/or equipment damage.
- Always exercise standard physical protection practices (i.e., eye protection, gloves, protective clothing, etc.) when working around pressure devices.

Specifications

Accuracy:	5 PSI	±0.025% Rdg ±0.0005 PSI
	10 PSI	±0.025% Rdg ±0.0009 PSI
	30 PSI	±0.025% Rdg ±0.003 PSI
	100 PSI	±0.025% Rdg ±0.009 PSI
	300 PSI	±0.025% Rdg ±0.03 PSI
	500 PSI	±0.025% Rdg ±0.05 PSI
	1000 PSI	±0.025% Rdg ±0.1 PSI
	2500 PSI	±0.025% Rdg ±0.25 PSI
Operating Temperature:	-10°C to 50°C (13°F to 122°F)	
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)	
Size (HWD):	73mm x 58mm x 48mm (2.875" x 2.375" x 2.0")	
Weight:	0.4 kg (14.5 oz.)	
Power:	Powered by Calibrator	
Temp. Effect:	None, (Compensated over full range)	
Connections:	1/8" NPT Female	
Pressure Media:	316 SS compatible	

Operation

The **QuikCal™** 90 pressure module plugs into any **QuikCal™** series calibrator, such as the model 190 or 390. The module interface is completely digital.

To operate the unit, just plug it into the corresponding calibrator. The calibrator will indicate a successful connection as soon as communication has been established.

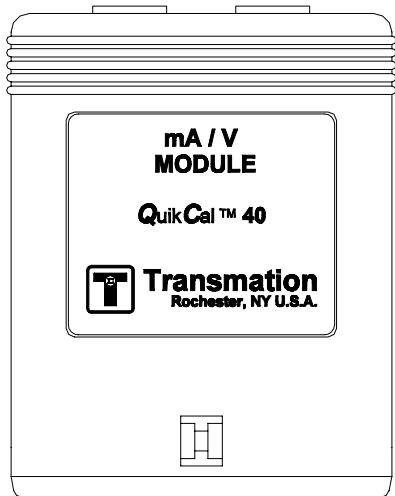
Basic Maintenance

The Pressure module was designed as a low maintenance unit. Transmation recommends a yearly calibration at the factory or any other Transcat calibration facility.

Full User calibration procedures are covered in the **QuikCal™** Model 190 manual.

If the unit has been exposed to chemicals that might harden, it is advisable to clean the pressure port with alcohol or another appropriate solvent. Great care must be taken to avoid damage to the internal sensor diaphragm.

The lower pressure range sensors (300 PSI and below) have an internal CPC pressure fitting in the bottom of the module. This fitting is used in the model 190 calibrator when generating internal pressure. If these modules fail to provide a bubble tight connection, it is advised to check this fitting. This can be done by pushing up on the white plastic ring to ensure that the fitting is internally sealed. If this procedure does not repair the leak, the module might have to be returned for service.



QUIKCAL™ 40 ELECTRICAL MODULE

The QuikCal™ 40 Electrical Module is an output module designed to plug into a QuikCal™ 190 Base Unit.

The QuikCal 40 is designed to simulate two-wire transmitters and generate DC voltage.

SPECIFICATIONS

Unless otherwise indicated, all specifications are referred to an ambient temperature range of 13°C to 33°C (55°F to 91°F).

Ranges:

0.000 - 24.000 mA
-11.000 to +11.000 VDC

Accuracy:

mA: $\pm(0.015\%$ of Reading + 0.002 mA)
Volts: $\pm(0.015\%$ of Reading + 0.002 V)

Resolution:

mA: 1 mA
Volts: 1 mV

Two-Wire Loop Voltage Limits: 2 VDC to 50 VDC (external power)

Two-Wire Drive Capability: Resistance = (Loop Voltage - 2 V)/mA

Voltage Output Drive: 5 mA minimum, short circuited protected

Voltage Output Impedance: ≤ 0.3 Ohm

Update Rate: >2 times/second

Temperature Effect: Included in **Accuracy** specification for ambient temperature range of 13°C to 33°C (55°F to 91°F); outside this range: 0.005% per °C

Module Isolation: 250V RMS minimum

Output Protection: 150V RMS for 30 seconds

Output Terminals: Double insulated female banana jacks

Output Noise: ≤ 1 LSD from 0.1 Hz to 10 Hz

Communication Protocol: LonTalk Protocol

Operating Temperature Range: -10°C to 50°C (14°F to 122°F)

Storage Temperature Range: -40°C to 85°C (-40°F to 185°F)

Housing: Black ABS/Polycarbonate (UL 94 V-O)

Case Size (HWD): 76 mm x 64 mm x 51 mm (3" x 2.5" x 2")

Weight: ~0.154 kg (5.5 oz.)

Power: Provided by QuikCal Base Unit (5 VDC at 125 mA maximum)

DISTRIBUTED BY:



*Master Distributor of
Transmation Products.*

