



Advanced Calibration Designs, Inc.

QC-50

QuickCheck System

INSTRUCTION MANUAL



Instruction Manual

QC-50

QuickCheck System

Revision - 070405

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I. QC-50 OPERATING INSTRUCTIONS

1. Remove and discard any used *QuickCheck Vial (QCV)*. If a vial is left attached to the QC-50 during storage the flow path may become saturated. This is especially concern if more than one gas type of QCV is being used.
2. Select the QCV with the gas type desired.
3. Squeeze the QCV firmly at the point where the label reads 'Pinch Here to Break Inner Ampoule'. This allows the liquid to absorb into the wicking material and start releasing the test gas.
4. Install the QCV into the QC-50. To install, the open end of the QCV is inserted snugly into the opening opposite the QC-50 label.
5. Attach any tubing or calibration adapters if needed. **Note:** A three foot section of chemically resistant tubing is included with the QC-50. If inappropriate tubing or adapters are used the chemical may be lost in the sample system without reaching the sensor to be tested.
6. Place the end of the QC-50, tubing or calibration adapter at the sensor to be tested.
7. Squeeze the bulb slowly and firmly until an appropriate response is achieved. For some gases such as HCl it may be necessary to allow more time for a response than more volatile gases such as NH₃.
8. If an appropriate response is not achieved the sensor being tested should be evaluated for replacement.
9. Repeat steps 6, 7 and 8 for any other sensors to be tested. **Note:** Do not continue testing if the QCV is depleted.
10. Remove and discard the used QCV.

Note: Once the inner ampoule is broken the QCV should be quickly inserted into the QC-50. Opened QCV deplete quickly without being installed. Once testing is finished please remove and discard the QCV before storing the QC-50. Opened QCV should not be stored for longer than 24 hours.

II. ACCESSORY ITEMS / PARTS LIST

The following items and spare parts are available for the QC-50:

P/N	Description
525-0001-12	NH ₃ (Ammonia) - 12 Pack
525-0002-12	HCl (Hydrogen Chloride) - 12 Pack
525-0003-12	C ₇ H ₈ (Toluene) - 12 Pack
525-0004-12	C ₆ H ₁₄ (Hexane) - 12 Pack
715-0405-0X	Hose, with Quick Connect, 5'
730-0415-00	Hard Body Carrying Case
730-1050-00	Nylon Carrying Case

III. SPECIFICATIONS

Useful Vial Life	Up to 8+ hours per vial
Warranty	One year
Dimensions (QC-50)	2 x 7.2" (5 x 18.4cm)
Dimensions (QCV)	0.4 x 1.3" (1.1 x 3.4cm)
Weight (QC-50)	2.5oz (75gm)
Weight (QCV)	0.14oz (4gm)
Operating Temperature	Nominal @ 20 °C
Relative Humidity (intermittent use)	0 - 100%

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