

1. Take out the MEQ and delete the program that is already stored in the MEQ.
 - a. Hold down the 2nd key and the period key, while holding these two keys down, turn on the meq.
2. Connect the cable from the PC to the MEQ and set the MEQ down.
3. On the PC, create a directory and put MEQCOMM2 and your BAS program in it.

Note: If you have ever loaded the MEQ program on this PC in the past you should skip "b" and "d" below unless we tell you otherwise.

 - a. On the PC go to a dos prompt. (C:\>) If you have a dos prompt similar to C:\WINDOWS> you should type CD..<Enter>. This should give you a dos prompt that looks like C:\>.
 - b. At this prompt type MD MEQ<Enter>
 - c. Type CD MEQ<Enter> Your dos prompt should now look like this. C:\MEQ>
 - d. Put the 3 1/2" disk in your PC and type COPY A:<Enter>
4. On the PC at a command prompt type MEQCOMM2<Enter>
5. Turn on the MEQ
6. Follow the instructions on the PC.
 - a. You should see the PC looking for a way to connect to the MEQ. (If your PC can't find the MEQ you should check the flowing; Verify cable is plugged into a serial port on your PC, and Verify the MEQ is on.)
 - b. Once the connection is made another window will pop up and you should hit enter.
 - c. You will get a blank looking window with function keys at the bottom, you should select option F2 (Load).
 - d. You should now see the BAS programs. Select the desired program and hit <Enter>
 - e. During the load you will see the system counting. It should count at approx. 20 to 30 per second. If it seems to be going slow then the possibility exist that the MEQ is not taking the program. You should still finish the process and see if it works ok.
 - f. The PC will ask you a series of questions, we suggest you answer all the questions with Yes.

When the load has finished it will ask you if you want to START THE RUN COMMAND. Answer this with a YES.
8. Now you can exit the program.

APX Instructions

1. Take out the APX and delete the program that is already stored in the APX.
 - a. Hold down the ALT key and the SPC key, while holding these two keys down, turn on the APX.
2. On the APX we need to change the MODE from 5,3 to MODE 3,2.
 - a. Hold down the ALT key and press the X. MODE should display. If it displays 3,2 you should press <Enter> and go to step 3.
 - b. While holding down the ALT key, each time you press the X the first column should advance by one. Keep hitting the X till you get a 3 in the first column.
 - c. While holding down the ALT key you should press the Y to change the second column till you get a 2.
 - d. Once you have 3,2 in the window depress the <Enter> key.
3. Connect the cable from the PC to the APX and set the MEQ down.
4. On the PC, create a directory and put MEQCOMM2 and your BAS program in it.

Note: If you have ever loaded the MEQ program on this PC in the past you should skip "b" and "d" below unless we tell you otherwise.

 - a. On the PC go to a dos prompt. (C:\>) If you have a dos prompt similar to C:\WINDOWS> you should type CD..<Enter>. This should give you a dos prompt that looks like C:\>.
 - b. At this prompt type MD MEQ<Enter>
 - c. Type CD MEQ<Enter> Your dos prompt should now look like this. C:\MEQ>
 - d. Put the 3 1/2" disk in your PC and type COPY A:<Enter>
5. On the PC at a command prompt type MEQCOMM2<Enter>
6. Turn on the APX
7. Follow the instructions on the PC.
 - a. You should see the PC looking for a way to connect to the APX. (If your PC can't find the APX you should check the following; Verify cable is plugged into a serial port on your PC, and Verify the APX is on.)
 - b. Once the connection is made another window will pop up and you should hit enter.
 - c. You will get a blank looking window with function keys at the bottom, you should select option F2 (Load).
 - d. You should now see the BAS programs. Select the desired program and hit <Enter>
 - e. During the load you will see the system counting. It should count at approx. 20 to 30 per second. If it seems to be going slow then the possibility exist that the APX is not taking the program. You should still finish the process and see if it works ok.
 - f. The PC will ask you a series of questions, we suggest you answer all the questions with Yes.

When the load has finished it will ask you if you want to START THE RUN COMMAND. Answer this with a YES.
8. Now you can exit the program.

MEQ Instructions.

You will be asked for employee number. Up to 4 numbers can be used. <Enter>
EMPLOYEE NUMBER.

1111

DIST-1, REMV-3, ADD-2, XFER-4.

1 (DIST)

LOCATION

01

ORDER # / PACKING SLIP#

12345

CUSTOMER#

157

Note: you may go back and change anything by back typing a "b"<enter> this will back you up one screen position. If you make an error beyond this point you will need to type "q"<enter> (quit) and start over. If the error is minor, the correction may be made on transaction maintenance after the up-load. Most errors should be corrected immediately.

GAS TYPE

01 (OXYGEN) (Note: if you use gas type 05 it will prompt you for cubic feet.)

COUNT

3

SERIAL# 1 (AT THIS POINT YOU CAN ZAP/SCANN THE SER# BUT IT YOU NEED TO MANUALLY INCERT IT TYPE AN "I" AND IT WILL OPEN UP () FOR YOU TO INPUT THE NUMBER.

123456

325468

356985

GAS TYPE

99 (RETURNS)

RETURNS MISSING LABELS (Y/N) (If you say "Y", all inputs are required to be manual. if you select "N", it will allow you to scan and input manually.

N

COUNT

3

SERIAL# 1 (At this point you can zap/scan the ser# but it you need to manually incert it type an "I" and it will open up () for you to input the number.

123422

98765

64589

GAS TYPE

F (FINISHED)

CONNECT PRINTER THEN PRESS ENTER. (If you chose not to print type "C"<enter>)

The MEQ will go back to DIST-1, REMV-3, ADD-2, XFER-4 for your next input.

When you as the person are finished using the MEQ you may type "Q"<Enter> This will Quit and allow another person to sign in with their code. You will also need to do this when you decide to

up-load to the system. Remember, you must type 9999 for employee number to get in the up-load fuction.

You will be asked for employee number. Up to 4 numbers can be used. <Enter>
EMPLOYEE NUMBER.

1111

DIST-1, REMV-3, ADD-2, XFER-4.

2 (ADD)

SERIAL# 1

987654

RETEST DATE

101195

RETEST 101196 CORRECT (Y/N)

Y

PRODUCT CODE / ITEM NUMBER

OX251

LOCATION

01

MANUFACTURE ID

125

ALTERNATE SER# (THIS IS NOT A REQUIRED FIELD YOU CAN ENTER BY THIS ONE.)

65432122

SERIAL# 2

987659

RETEST DATE

101195

RETEST 101196 CORRECT (Y/N)

Y

PRODUCT CODE / ITEM NUMBER

OX251

LOCATION

01

MANUFACTURE ID

125

ALTERNATE SER# (THIS IS NOT A REQUIRED FIELD YOU CAN ENTER BY THIS ONE.)

<ENTER>

SERIAL# 3

F

CONNECT PRINTER THEN PRESS ENTER.

(I do not have a printer and when I put a "C" to continue, I get an error therefore I assume you need a printer for this add fuction.

DIST-1, REMV-3, ADD-2, XFER-4.

3

SERIAL# 1

6542158

SERIAL# 2

987654258

SERIAL# 3

F

CONNECT PRINTER THEN PRESS ENTER.

(I do not have a printer and when I put a "C" to continue, I get an error therefore I assume you need a printer for this add fuction.

DIST-1, REMV-3, ADD-2, XFER-4.

4

FROM CUSTOMER#

157

FROM CUST 00157 TO CUST

6548

FROM 00157 TO 6548 OK?

Y

SERIAL# 1

652789

SERIAL# 2

9876542

SERIAL# 3

F

CONNECT PRINTER THEN PRESS ENTER.

(I do not have a printer and when I put a "C" to continue, I get an error therefore I assume you need a printer for this add fuction.

EMPLOYEE #

99999

TRANSMIT DATA? (Y/N)

Y

READY TO UPLOAD? (Y/N) (MAKE SURE CABLE IS HOOKED UP TO THE WEDGE)

Y

EMPLOYEE #

9999

TRANSMIT DATA? (Y/N)

N

ERASE DATA? (Y/N)
N
SET ORDER# ? (Y/N)
Y
ENTER NEW ORDER#
32165
ORDER = 32165 CORRECT? (Y/N)
Y
SET TRANSFER #? (Y/N)
Y
ENTER NEW TRANSFER#
321654
TRANS# = 321654 CORRECT? (Y/N)
Y
SET LOCATION? (Y/N)
Y
ENTER LOCATION
01
LOCATION = 01 CORRECT? (Y/N)
Y
SET DATE/TIME? (Y/N)
Y
DATE = 95/11/30 CORRECT? (Y/N)
Y
TIME = 10:12:37 CORRECT? (Y/N)
Y
SPECIFY READER#? (Y/N)
Y
ENTER READER#
2
READER# = 2 CORRECT? (Y/N)
Y
PRINT GAS LIST? (Y)ES OR (N)O
N (if you say "y" it will prompt you to connect printer.)

The following instructions are for the MEQ after loading MEQ Program NEWCYL1.BAS. This program is for Gas operation ONLY. You can't use this program for hardgoods.

After loading the program press [2nd] R.

You will be asked for employee number. Up to 4 numbers can be used. <Enter>
Note: When you get ready to upload your MEQ data you will type in 9999 for the
EMPLOYEE NUMBER.

1111

DIST-1, REMV-3, ADD-2, NEWD-4.

1 (DIST)

LOCATION

01

ORDER # / PACKING SLIP#

12345

CUSTOMER#

157

Note: You may go back and change anything by back typing a "B"<Enter> This will back you up
one position. If you make an error beyond this point you will need to type "Q"<Enter> (Quit) and
start over. If the error is minor, the correction may be made on transaction maintenance after the
up-load. Most errors should be corrected immediately.

GAS TYPE

01 (Oxygen) Note: If you use Gas Type 05 it will prompt you for Cubic Feet.

COUNT

3

SERIAL# 1 (At this point you can Zap/Scann the ser# but it you need to
manually incert it type an "I" and it will open up () for you to input the
number.

123456

325468

356985

GAS TYPE

99 (Returns)

RETURNS MISSING LABELS (Y/N) (If you say "Y", all inputs are required to be
manual. If you select "N", it will allow you to scan and input manually.

N

COUNT

3

SERIAL# 1 (At this point you can Zap/Scann the ser# but it you need to
manually incert it type an "I" and it will open up () for you to input the
number.

123422

98765

64589

GAS TYPE

F (Finished)

CONNECT PRINTER THEN PRESS ENTER. (If you chose not to print type
"C"<Enter>)

The MEQ will go back to DIST-1, REMV-3, ADD-2, XFER-4 for your next input.
When you as the person are finished using the MEQ you may type "Q"<Enter>
This will Quit and allow another person to sign in with their code. You will also

need to do this when you decide to up-load to the system. Remember, you must type 9999 for employee number to get in the up-load fuction.

You will be asked for employee number. Up to 4 numbers can be used. <Enter>
Note: When you get ready to upload your MEQ data you will type in 9999 for the EMPLOYEE NUMBER.

1111

DIST-1, REMV-3, ADD-2, NEWD-4.

2 (ADD)

SERIAL# 1

987654

RETEST DATE

101195

RETEST 101196 CORRECT (Y/N)

Y

PRODUCT CODE / ITEM NUMBER

OX251

LOCATION

01

MANUFACTURE ID

125

ALTERNATE SER# (This is not a required field you can enter by this one.)

65432122

SERIAL# 2

987659

RETEST DATE

101195

RETEST 101196 CORRECT (Y/N)

Y

PRODUCT CODE / ITEM NUMBER

OX251

LOCATION

01

MANUFACTURE ID

125

ALTERNATE SER# (This is not a required field you can enter by this one.)

<Enter>

SERIAL# 3

F

CONNECT PRINTER THEN PRESS ENTER.

(I do not have a printer and when I put a "C" to continue, I get an error therefore I assume you need a printer for this add fuction.)

DIST-1, REMV-3, ADD-2, NEWD-4.

3

SERIAL# 1

6542158

SERIAL# 2

987654258

SERIAL# 3

F

CONNECT PRINTER THEN PRESS ENTER.

(I do not have a printer and when I put a "C" to continue, I get an error therefore I assume you need a printer for this add fuction.)

DIST-1, REMV-3, ADD-2, NEWD-4.

4

CYL TRACKING SYS LOCATION:

01

LOCATION#: 01 CUSTOMER#

157

CUSTOMER# 00157 ORDER#

98765

ORDER# 98765 CORRECT? (Y/N)

Y

C:00157 O:98765 S)HP R)TN E)ND

S

SCAN SHIP CYLNDR

12345

S#: 12345 IS THIS OK Y/N (You only get this if you enter the ser# manually.)

Y

SERIAL# ACCEPTED *HIT ANY KEY*

T

S:1 SCAN NEXT

(ZAP THE BAR CODE)

SERIAL# ACCEPTED *HIT ANY KEY*

B

S:2 SCAN NEXT

Q (TO QUIT)

DO YOU WANT TO REENTER (Y/N)

N

SHP: 2 RET: 0 S)HP R)TN E)ND

E

SHP: 2 RET: 0 GOOD TYPE OK:

OK

CONNECT PRINTER THEN PRESS ENTER.

<ENTER> OR "C" (If you chose not to print type "C"<Enter>)

DIST-1, REMV-3, ADD-2, NEWD-4

TO UPLOAD TO THE EQUINOX PROGRAM

EMPLOYEE #

99999

TRANSMIT DATA? (Y/N)

Y

READY TO UPLOAD? (Y/N) (Make sure cable is hooked up to the wedge)

Y

EMPLOYEE #

9999

TRANSMIT DATA? (Y/N)

N

ERASE DATA? (Y/N)

N

SET ORDER# ? (Y/N)

Y

ENTER NEW ORDER#

32165

ORDER = 32165 CORRECT? (Y/N)

Y

SET TRANSFER #? (Y/N)

Y

ENTER NEW TRANSFER#

321654

TRANS# = 321654 CORRECT? (Y/N)

Y

SET LOCATION? (Y/N)

Y

ENTER LOCATION

01

LOCATION = 01 CORRECT? (Y/N)

Y

SET DATE/TIME? (Y/N)

Y

DATE = 95/11/30 CORRECT? (Y/N)

Y

TIME = 10:12:37 CORRECT? (Y/N)

Y

SPECIFY READER#? (Y/N)

Y

ENTER READER#

2

READER# = 2 CORRECT? (Y/N)

Y

PRINT GAS LIST? (Y)ES OR (N)O

N (If you say "Y" it will prompt you to connect printer.)

UPDATE ADDRESS (Y/N)

Y (Note: Because the MEQ screen is limited in characters we have provided you with two lines for each address line and you do not have line wrap. You can't backup to a previous line once you have hit enter.)

LN1: **Steve Bowyer**

LN2: **79 Frost Road**

LN3: **P.O. Box 2067**

LN4: **Acton, MA 01720**

ASK FOR VOLUM? (Y/N)

Y

EQUINOX CYLINDER TRACKINGSYSTEM

If you have a full shaded block then you are in input mode. If you have an underline then you in 2nd mode.

B Back-up one fuction

F Finished

Q Quit

Set-up mode = Type in 99999 for employee number. You will be using set-up mode also when you wish to upload information.

2nd/Del = This will backspace your cursor.

To delete/erase the program (Turn it off, then turn it back on while holding down the 2ND, and the period key.

Gas List Available

01 Oxygen	07 Helium	13 Liquid Ox
02 Nitrogen	08 Mapp	14 Bulk N2
03 Argon	09 Hydrogen	15 Bulk Oxygen
04 Air	10 Presto-Lite	16 Bulk Ar
05 Acerylene	11 Liquid N2	17 Other
06 CO2	12 Liquid Ar	99 Returns

PHY MEQ130

EQUINOX SOFTWARE

USER>

PAUL

LOCATION:

01

DATE:

12/18/95

BATCH#

001

DESC BATCH#001

aisle 3 & 4

CHECK FOR PREV'S

COUNTS (Y/N) (Note: If you select "(N)o" the MEQ will not provide you with the previous count taken for this item. If you select "(Y)es" the MEQ will provide you with the previous count. The only draw-back to this is after you have scanned in 180 items the MEQ will start slowing down because it has to read the complete file each time you scan an item to see if it has been scanned before.

N

C)OUNT S)END:

C

SCAN BAR CODE (Scan a bar code or hit "I" to manually input a number)

5645895

Enter Qty:

15

SCAN BAR CODE (Scan again)

Enter Qty:

5

SCAN BAR CODE

Q (To quit)

C)OUNT S)END:

S

Rec to Send: 11

CONN TO WDGE C/Q (C = Continue or Q to quit)

C The upload will start. The MEQ will ask you if the upload was OK and do you want to clear the data. (Note: If you are training or you want to delete the data in the MEQ you should keep hitting the C till the MEQ ask you if data was transferred OK.)

Q

2ND C

PRESS ENTER

2ND D

BREAK 1250

QUIT

2ND R

NOTE: You can use special characters by typing the following:

2nd A = -

2nd B = +

2nd E = /

2nd F = *

2nd G = %

2nd H = &

2nd I = #