CEI_OkumaBarCode Application

The CEI_OkumaBarCode application supports Okuma P200 and P300 controls, and requires the Okuma Thinc API V1.9 or above.
The application will write scanned numeric data to a user selected CommonVariable as defined by the application configuration.

It supports any 1-D BarCode set in standard RS232 communication mode using an actual RS232 COM port.
For example,
   LS-3408-FZ20005R, Symbol LS 3408FZ
Using
   CBA-R02-C09PAR Cable, Assembly (9 feet, Coiled, RS-232, STD-DB9 Female, TXD on 2).

Installation
 Double-click the setup.exe for the appropriate kit (Mill or Lathe).
The application installs to
        D:\Caron Engineering\CEI_OkumaBarCodeLathe
Or
        D:\Caron Engineering\CEI_OkumaBarCodeMill

Configuration
The application appears as a BarCode scan icon in the lower right system tray. Double-click the icon and select 'Configuration' to configure.
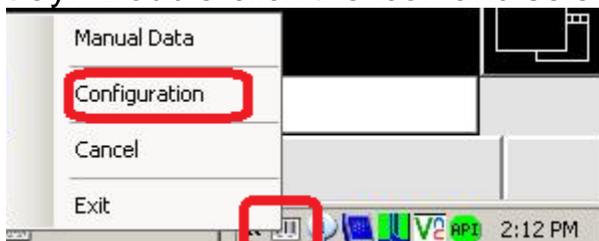
The Configuration Window:

Select the COM port from the drop-down list of available RS232 ports on your system.
If you are using a USB->Serial converter, it must be connected before configuring the application.

All other COM port settings should remain their default settings, as pictured above.

SCAN VariableData:
Click in this box to enter the COMMON VARIABLE that will be the target of the scanned data.

VariablePath (Lathe Only)
If the control has multiple CommonVariable sub-systems, select the desired sub-system here.

SplashTime:
If you want a splash screen to appear when data is scanned and written to the CommonVariable, enter the time (in seconds) for the screen to remain visible after a scan. 0=no splash screen

OperatorConfirmation:
If you would like the machine operator to Confirm or Cancel a scan before data is sent (or ignored on a Cancel) to the Common Variable, check this box.

APPLY:
Click the 'Apply' button to save the configuration, and begin scanning to the variable.

Functionality:

Scan with OperatorConfirmation Checked:
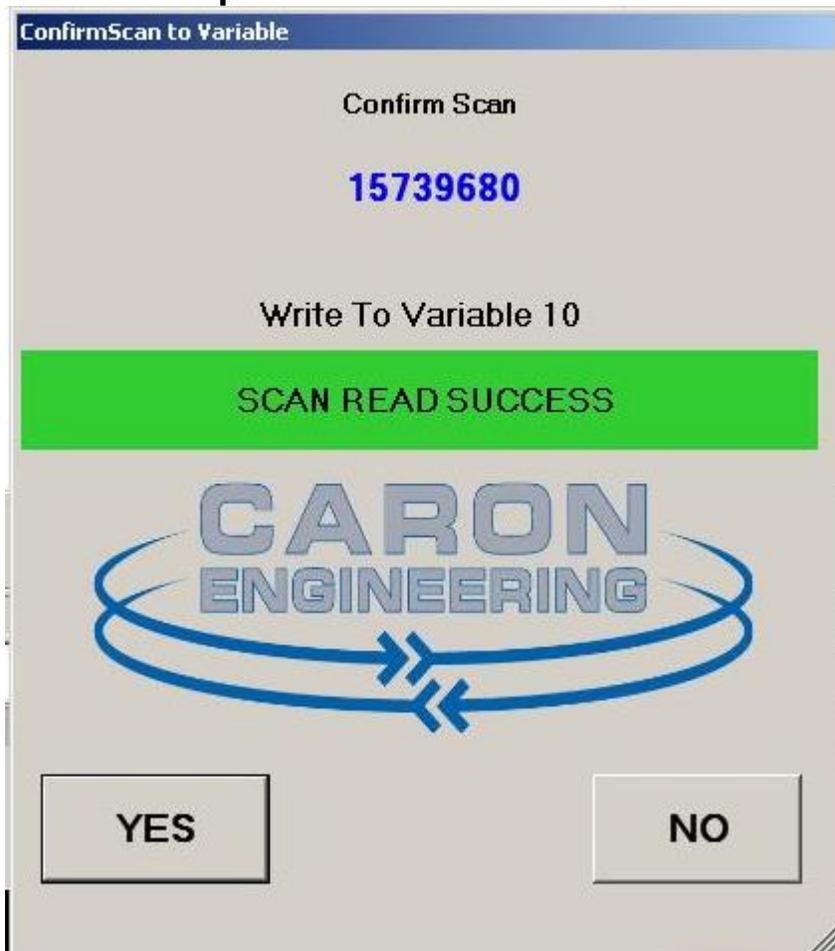
The Operator Selects YES to send the data to the CommonVariable, or NO to ignore the data.

Select YES, with a time in the SplashScreen:

SUCCESS

***** SUCCESS *******

SCAN Data = 15739680 Written to Variable 10

CARON ENGINEERING

CLOSE   Closing in... 2
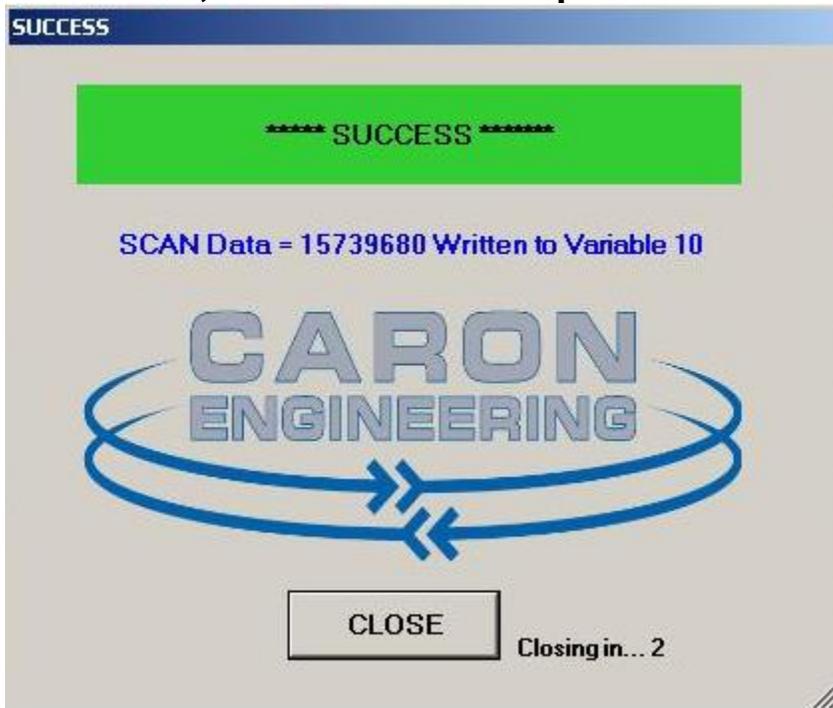
The SplashScreen confirms the data sent, and closes in the time indicated in the Configuration.
The CommonVariable is set to the data value:

PARAMETER

3700 ALARM-C   Po

COMMON VARIABLE

NO.	
1	1
2	-1
3	1
4	3
5	5
6	0.6
7	0.07
8	0.1234
9	0
10	15739680

Error Condition:
If non-numeric data, data that would cause an overflow, or there is an error in the scan, the following window appears:

Select YES to send the value -1 to the CommonVariable.
Select NO to ignore the scan.
Select EnterManualData to enter a value via a keypad to send to the CommonVariable.

EnterManualData:
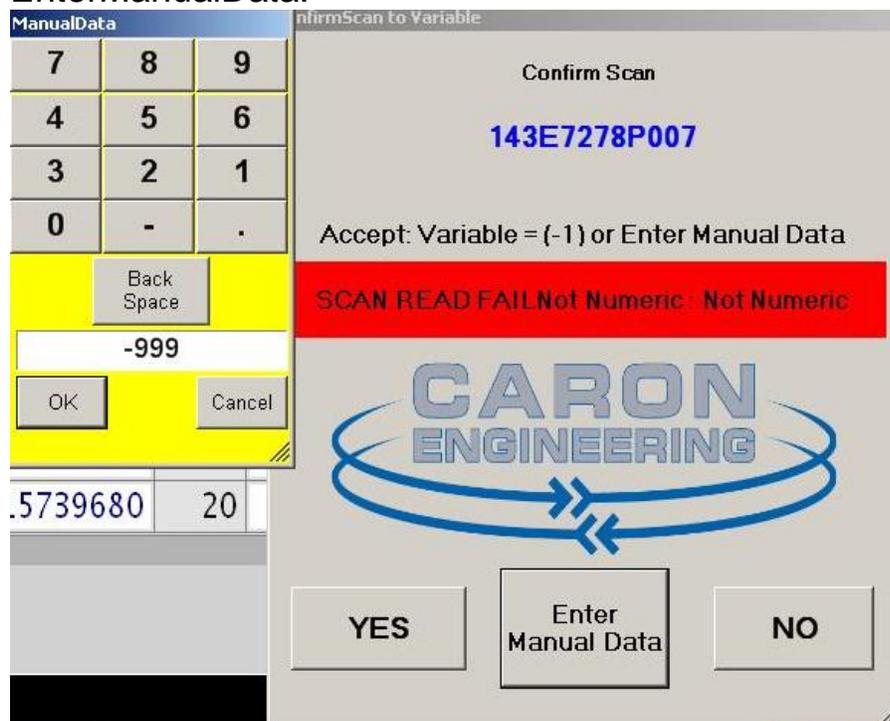
Click OK on the keypad to accept the data.

Then Confirm the new data to send to the Common Variable:

ConfirmScan to Variable

Confirm Scan

-999

Write To Variable 10

SCAN READ SUCCESS

| YES | NO |
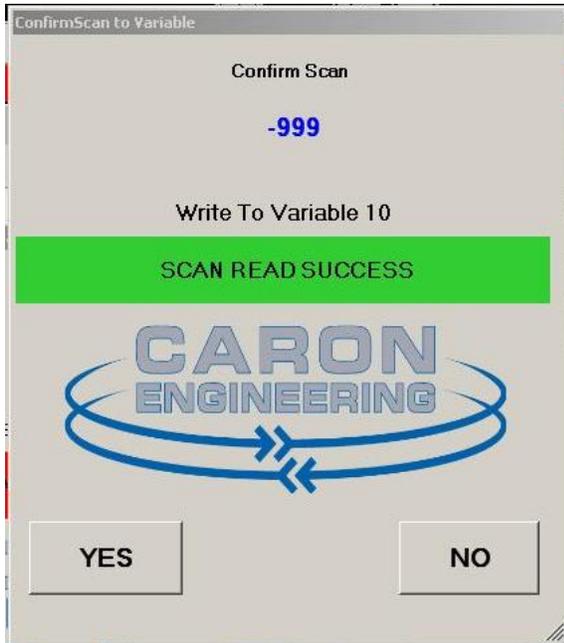
Data is sent to the Common Variable.

PARAMETER
3700 ALARM-C   Po
COMMON VARIABLE

NO.	
1	1
2	-1
3	1
4	3
5	5
6	0.6
7	0.07
8	0.1234
9	0
10	-999

EXIT / Close the Application:
Right-click the bar-code icon and select EXIT to close the application

Manual Data

Configuration

Cancel

Exit

2:12 PM