Pages 11-12 (labelled 8-9) of the TFmini Plus User Manual provide the sensor specific serial communication details:

Communication interface	**UART**
Default baud rate	115200
Data bit	8
Stop bit	1
Parity check	None

The sensor serial output is of the form:

Byte0 -1	Byte2	Byte3	Byte4	Byte5	Byte6	Byte7	Byte8
0x59 59	Dist_L	Dist_H	Strength _L	Strength _H	Temp_L	Temp_H	Checksum

Data code explanation	
Byte0	0x59, frame header, same for each frame
Byte1	0x59, frame header, same for each frame
Byte2	Dist_L distance value low 8 bits
Byte3	Dist_H distance value high 8 bits
Byte4	Strength_L low 8 bits
Byte5	Strength_H high 8 bits
Byte6	Temp_L low 8 bits
Byte7	Temp_H high 8 bits
Byte8	Checksum is the lower 8 bits of the cumulative sum of the numbers of the first 8 bytes.

The CRBasic program must open the serial connection for the correct baud rate, number of data bits and stop bits, parity check (even, odd or none), and logic format (logic 1 high, logic 1). Additionally, for the TFmini Plus, the serial connection must be established for binary:

```
'Open the serial port, serial open format must be 19 for the TFmini Plus
SerialOpen (ComC1,BaudRate,19,0,1000)
```

The comport ComC1 needed to be established as LVTTL in Dev Config Utility in LoggerNet.

The raw bytes of data are read by reading the 6 data bytes after the first two header bytes of 0x59 0x59:

```
  'Read only the 6 bytes of data after the &H5959 header
SerialInRecord (ComC1,tmp(),&H5959,6,0,NBytesReturned,00)
```