



Mitutoyo SPC data stream consists of 13, 4-bit digits. Digits are sent LSB (2^0) to the MSB (2^3).

Where:

d1 = 0xf (4 nybbles of preamble)

 $\begin{array}{cc} d2 & = 0xf \\ d3 & = 0xf \end{array}$

d4 = 0xf

d5 = Sign +:0:0000 / -:8:0001

 $d6 - d11 = \overline{Digits}$

d12 = Decimal Point Location 0x2:xxxx.xx, etc.

d13 = Unit mm:0:0000 / inch:1:1000

Mitutoyo SPC Protocol Specification

Starrett SPC data stream consists of 25 ASCII characters. Characters are sent at 1200 baud, 8 bits (8bit must be masked as it's state is undefined), no parity, and 2 stop bits. The 25 character stream has the following format:

1-13 = ASCII Spaces (0x20)

14 = Space (0x20) if reading is positive, Minus Sign (-) (0x2d) if reading is negative.

15-21 = ASCII digits representing current reading including a floating decimal point (.) (0x2e).

22 = Space (0x20).

23-24 = Current unit in ASCII. Inches = "in", Millimeters = "mm"

= Carriage Return (0x0d)

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