

GLT622 CONSOLE COMMUNICATION PROTOCOL

1. Serial port feature:

Baud rate	9600
Parity bit	no
Data bit	8bits
Start bit	1 bit
Stop bit	1bit

2. Command format:

<SOH><FCN. CODE><FCN. DATA><&&CCCC>'<CR>'

<SOH> =1(hex) <EXT>=03(hex)

Note:

<SOH>	Indicates start of message, frame head
<FCN. CODE>	6 character field <ASCII>
<FCN. DATA>	ASCII fields depends on <FCN. CODE>
<&&CCCC>	Terminator characters and checksum (optional, depends on <FCN. DATA>)
<CR>	
FFFFFFFF	ASCII Hex representations Of IEEE float
YYMMDDHHMM	Current Date and time
&&	data terminator flag

3. Inquiry & Response:

PC ask	<SOH> i201TT
Console answer	<SOH>i210TTYMMDDHHMMTTpssssNNFFFFFFFF.....FFFFFFFFFTTpsss sNNFFFFFFFF&&CCCC<EXT>

Note:

YYMMDDHHMM	Date & Time
TT	Tank number(0 means ask all tanks)
P	product code(character /ASCII)
SSSS	Tank Status Bits
NN FFFFFFFF	Number of eight character data fields to follow (hex) data field : 1 Tank Volume 2 Net Volume : product volume 3 Cross Volume : empty volume 4 product height 5 water height 6 average temperature 7 Water Volume 8 Density