

DOASENSE Reader -- Data Interface Protocol

for DOASENSE Reader with firmware V.3.48-3.5x

Result frame

Name of field	Characters sent out		#of bytes (excluding CR,LF)
Frame Start	STX		1
Header 1st line**	header_1st_line	CR,LF	n (n max. 24 chars)
Header 2nd line**	header_2nd_line	CR,LF	n (n max. 24 chars)
Strip name	DOAC Dipstick	CR,LF	13
Serial Number	SN: 1SP serial	CR,LF	3+1+5=9
Sequence number	Seq.No: 2SP seqno	CR,LF	7+2+4=13
Patient ID	Pat.ID: 2SP patid	CR,LF	7+2+n (n max 15 chars)
COLOR***	COLOR: 3SP color	CR,LF	6+3+n (n max 10 chars)
CLARITY***	CLARITY: 1SP clarity	CR,LF	8+1+n (n max 10 chars)
Date,time****	date 5SP time	CR,LF	10+5+5=20
Separator line	CR,LF	24
1st result line*****	*or1SP pad 1SP res	CR,LF	1+3+1+6=11
2nd result line*****	*or1SP pad 1SP res	CR,LF	1+3+1+6=11
3rd result line*****	*or1SP pad 1SP res	CR,LF	1+3+1+6=11
Separator line	-----	CR,LF	24
Comment***	comment	CR,LF	n (n max 39 chars)
Username***	USER: 3SP username	CR,LF	5+3+n (n max 20 chars)
Frame End	ETX		1

CR=0x0D,LF=0x0A, STX=0x02, ETX=0x03, SP=0x20

** if enabled in setup

*** if not empty field

**** YYYY.MM.DD HH.MM

***** * or 1SP depends on result

if error occurs during measurement result lines are omitted and "Measurement error" CR,LF sent

QC result frame

Name of field	Characters sent out		#of bytes (excluding CR,LF)
Frame Start	STX		1
Header 1st line**	header_1st_line	CR,LF	n (n max. 24 chars)
Header 2nd line**	header_2nd_line	CR,LF	n (n max. 24 chars)
QC mode	CHECK MODE	CR,LF	10
Serial Number	SN: 1SP serial	CR,LF	3+1+5=9
Date,time****	date 5SP time	CR,LF	10+5+5=20
Separator line	CR,LF	24
1st result line	1: 6SP res1 1SP res2	CR,LF	2+6+4+1+4=17
2nd result line	2: 6SP res1 1SP res2	CR,LF	2+6+4+1+4=17
3rd result line*****	QC TEST: res	CR,LF	8+n (n 2 or 5)
Separator line	-----	CR,LF	24
Username***	< 1SP username 1SP >	CR,LF	2+n+2 (n max 20 chars)
Frame End	ETX		

CR=0x0D, LF=0x0A, STX=0x02, ETX=0x03, SP=0x20

** if enabled in setup

*** if not empty field

**** YYYY.MM.DD HH.MM

***** if QC error occurs res is ERROR otherwise OK

QC result frame (DCU-N or DCU-P)

<u>Name of field</u>	<u>Characters sent out</u>		<u>#of bytes (excluding CR,LF)</u>
Frame Start	STX		1
Header 1st line**	header_1st_line	CR,LF	n (n max. 24 chars)
Header 2nd line**	header_2nd_line	CR,LF	n (n max. 24 chars)
QC mode	Pat.ID: 2SP DCU-NorDCU-P	CR,LF	7+2+5=14
Serial Number	SN: 1SP serial	CR,LF	3+1+5=9
Date,time****	date 5SP time	CR,LF	10+5+5=20
Separator line	CR,LF	24
1st result line	1SP pad 2SP 2SPor!! res	CR,LF	1+3+2+2+5=13
2nd result line	1SP pad 2SP 2SPor!! res	CR,LF	1+3+2+2+5=13
3rd result line	1SP pad 2SP 2SPor!! res	CR,LF	1+3+2+2+5=13
Separator line	-----	CR,LF	24
Comment	QC TEST OKorERROR	CR,LF	10 or 13 chars
Frame End	ETX		

CR=0x0D, LF=0x0A, STX=0x02, ETX=0x03, SP=0x20

- ** if enabled in setup
- *** if not empty field
- **** YYYY.MM.DD HH.MM