

Master Data Analyzer Vision

Data Interface Description

About this document

This document describes the standard output format how recorded data is transferred to customers HOST interface.

The output format is valid for transmission via TCP/IP as well as FTP.

Output Format Description

Standard format can be changed by SICK Service. Contact therefore your local SICK contact.

#	Field	Bytes	Description	Example	Note
1	Timestamp	19	Timestamp including Year, Month, Day, Hour, Minute & Second	2021-10-29;10:37:58	Year-Month-Day; Hour:Minute:Second
2	;	1	Separator	;	
3	Device Name	variable	Device name parametrized by Customer	MDA-Vision	
4	;	1	Separator	;	
5	ID	5	Measurement identification index	00145	internal index
6	;	1	Separator	;	
7	Number of Codes	2	Counts the number of Codes read by the Lector or Handheld	01	
8	;	1	Separator	;	
9	Code Content	variable	Code Content	1JVGL0012345	In case no Barcode was read the field stays empty if multiple Codes are read, the Code-information will be separated by a “,”
10	;	1	Separator	;	
11	Scale Data	5	Weight of the object	00350	
12	;	1	Separator	;	
13	Scale Unit	1	Unit of the measured weight	g	"g" for gram
14	;	1	Separator	;	
15	Length	4	Length of the object	0352	Unit according to selected Unit in Setup Menu
16	;	1	Separator	;	
17	Width	4	Width of the object	0280	Unit according to selected Unit in Setup Menu
18	;	1	Separator	;	
19	Height	4	Height of the object	0056	Unit according to selected Unit in Setup Menu
20	;	1	Separator	;	
21	Unit	variable	Distance Unit	mm	will be changed automatically according to the selected Unit in Setup Menu.
22	;	1	Separator	;	
23	Box Volume	6	Volume of the minimal bounding box	005892	converted into cm ³ or inch ³ depending on the unit in Setup Menu (right aligned and filled with zeros)
24	;	1	Separator	;	
25	Box Volume Unit	variable	Volume Unit	cm3	will be changed automatically according to the selected Unit in the SIM. (cm ³ or inch ³)
26	;	1	Separator	;	

#	Field	Bytes	Description	Example	Note
27	VMS State 1	4	OMS State 1	0001	State descriptions see below.
28	;	1	Separator	;	
29	Custom Field 1	variable	Custom Field filled by Customer (optional)	"Box"	defined as String. Empty if not activated or not filled.
30	;	1	Separator	;	
31	Custom Field 2	variable	Custom Field filled by Customer (optional)	"Glas"	defined as String. Empty if not activated or not filled.
32	;	1	Separator	;	
33	Custom Field 3	variable	Custom Field filled by Customer (optional)	"flammable"	defined as String. Empty if not activated or not filled.
34	;	1	Separator	;	
35	Custom Field 4	variable	Custom Field filled by Customer (optional)	"breakable"	defined as String. Empty if not activated or not filled.
36	;	1	Separator	;	
37	Custom Field 5	variable	Custom Field filled by Customer (optional)	"x1000"	defined as String. Empty if not activated or not filled.
38	;	1	Separator	;	
39	Custom Field 6	variable	Custom Field filled by Customer (optional)	"single part"	defined as String. Empty if not activated or not filled.
40	;	1	Separator	;	
41	Weight manipulation	1	Status if weight has been manually edited by operator	0	1 = manipulated
42	;	1	Separator	;	
43	Dimension manipulation	1	Status if dimension (length, width, height) has been manually edited by operator	0	1 = manipulated

Example:

2021-10-29;10:37:58;MDA-Vision;00145;01;1JVGL0012345;00350;g;0352;0280;0056;mm;005892;cm3;0001;"Box";"Glas";"flammable";"breakable";"x1000";"single part";0;0

State description 'OMS State 1'

Byte 3	Byte 2	Byte 1	Byte 0
		0	Calibratable Result (only relevant for LFT version)
		1	Not calibratable Result (only relevant for LFT version)
		0	Item inside measuring area
		1	Item outside measuring area
	0	OK	
	1	Item too big to be measured	
	2	Item too small to be measured	
0	OK		
1	Weight not LFT (optional if activated)		
2	Dim not LFT (optional if activated)		

Example:

0201 = Object too small (and therefore also no calibratable result)
0000 = valid measurement

File name format

If the data output is realized via FTP, a file with the measurement data is created for each measurement. The naming follows following structure:

<Timestamp>_<DeviceName>_<ID>.xml

If image output is activated, naming of the image follows the same structure (file extension = .jpg).

Structure & file extension can be changed by SICK Service. Contact therefore your local SICK contact.