

Table from "inovafitness.com - Laser Dust Sensor Control Protocol V1.3" &amp; 1.4

Byte	Direction					PC->Sensor	Sensor->PC			PC->Sensor	Sensor->PC	PC->Sensor	Sensor->PC	PC->Sensor	Sensor->PC	PC->Sensor	Sensor->PC		
	Command Name					Set data reporting mode	Reply			Query data command	Reply	Set device ID	Reply	Set sleep and work	Reply	Check Firmware Version	Reply	Set working period	Reply
						The setting is still effective after power off <b>[Factory default is active reporting]</b>				Sensor received query data command to report a measurement data, <b>recommended query interval of not less than 3 seconds</b>		The setting is still effective after power off <b>[Factory default has set a unique ID]</b>		The setting is <b>not</b> effective after power off <b>[stay work state after power on]</b> Any common from UART will wake it up when the sensor is sleeping.				The setting is still effective after power off <b>[Factory default is continuous measurement]</b> The sensor works periodically and reports the latest data.	
		checksum query	checksum reply			<b>Report query mode:</b> Sensor received query data command to report a measurement data. <b>Report active mode:</b> Sensor automatically reports a measurement data in a work period.								Notes: The data is stable when the sensor works after 30 seconds; The fan and laser stop working in sleeping mode.		Show its firmware version is 0F070A (15-7-10).			
0	Head					AA	AA			AA	AA	AA	AA	AA	AA	AA	AA	AA	
1	Command ID					B4	C5			B4	C0	B4	C5	B4	C5	B4	C5	B4	C5
2	Data byte 1	x	x	0	0	1	2	3	3	4	PM2.5 low byte	5	5	6	6	7	7	8	8
3	Data byte 2	x	x				0:query the current mode 1:set reporting mode			0(reserved)	PM2.5 high byte	0(reserved)	0(reserved)	0:query the current mode 1:set mode	0:query the current mode 1:set mode	0(reserved)	Firmware Version Byte1: year	0:query the current mode 1:set mode	0:query the current mode 1:set mode
4	Data byte 3	x	x				0:report active mode 1:Report query mode			0(reserved)	PM10 low byte	0(reserved)	0(reserved)	0:sleep 1:work	0:sleep 1:work	0(reserved)	Firmware Version Byte2: month	0: continuous (default) n=1-30minute: work 30 seconds and sleep n*60-30 seconds	0: continuous (default) n=1-30minute: work 30 seconds and sleep n*60-30 seconds
5	Data byte 4	x	x				0(reserved)			0(reserved)	PM10 high byte	0(reserved)	0(reserved)	0(reserved)	0(reserved)	0(reserved)	Firmware Version Byte3: day	0(reserved)	0(reserved)
6	Data byte 5	x	x				0(reserved)			0(reserved)	Device ID byte 1	0(reserved)	New Device ID byte 1	0(reserved)	Device ID byte 1	0(reserved)	Device ID byte 1	0(reserved)	Device ID byte 1
7	Data byte 6	x	x				0(reserved)			0(reserved)	Device ID byte 2	0(reserved)	New Device ID byte 2	0(reserved)	Device ID byte 2	0(reserved)	Device ID byte 2	0(reserved)	Device ID byte 2
8	Data byte 7	x					0(reserved)			0(reserved)	Checksum byte	0(reserved)	Checksum byte	0(reserved)	Checksum byte	0(reserved)	Checksum byte	0(reserved)	Checksum byte
9	Data byte 8	x					0(reserved)			0(reserved)	AB	0(reserved)	AB	0(reserved)	AB	0(reserved)	AB	0(reserved)	AB
10	Data byte 9	x					0(reserved)			0(reserved)		0(reserved)		0(reserved)		0(reserved)		0(reserved)	
11	Data byte 10	x					0(reserved)			0(reserved)		0(reserved)		0(reserved)		0(reserved)		0(reserved)	
12	Data byte 11	x					0(reserved)			0(reserved)		0(reserved)		0(reserved)		0(reserved)		0(reserved)	
13	Data byte 12	x					0(reserved)			0(reserved)		New Device ID byte 1		0(reserved)		0(reserved)		0(reserved)	
14	Data byte 13	x					0(reserved)			0(reserved)		New Device ID byte 2		0(reserved)		0(reserved)		0(reserved)	
15	Data byte 14	x					FF :all sensor response Device ID byte 1:unique sensor in this ID response			FF :all sensor response Device ID byte 1:unique sensor in this ID response		FF :all sensor response Device ID byte 1:unique sensor in this ID response		FF :all sensor response Device ID byte 1:unique sensor in this ID response		FF :all sensor response Device ID byte 1:unique sensor in this ID response		FF :all sensor response Device ID byte 1:unique sensor in this ID response	
16	Data byte 15	x					FF :all sensor response Device ID byte 2:unique sensor in this ID response			FF :all sensor response Device ID byte 2:unique sensor in this ID response		FF :all sensor response Device ID byte 2:unique sensor in this ID response		FF :all sensor response Device ID byte 2:unique sensor in this ID response		FF :all sensor response Device ID byte 2:unique sensor in this ID response		FF :all sensor response Device ID byte 2:unique sensor in this ID response	
17	Checksum						Checksum byte			Checksum byte		Checksum byte		Checksum byte		Checksum byte		Checksum byte	
18	Tail						AB			AB		AB		AB		AB		AB	
	Checksums for DevID FFFF						0/1/2			2				4/5/6		5		6-37	