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Extract of important Modbus-adresses for IMAGO F3000 :

address (hex)	typ of varialbe	access	designation
005B	float	r/o	filtered actual value 1 (SystemIO.BerIstSys.BerIstS[0].BerIstFilt)
005D	float	r/o	filtered actual value 2
005F	float	r/o	filtered actual value 3
0061	float	r/o	filtered actual value 4
0063	float	r/o	filtered actual value 5
0065	float	r/o	filtered actual value 6
0067	float	r/o	filtered actual value 7
0069	float	r/o	filtered actual value 8
006B	float	r/o	terminal temp. in °C (SystemIO.BerIstSys.KlemmIstGrad)
006D	float	r/o	Calculated humidity (SystemIO.BerIstSys.XrFeuchte)
006F	float	r/o	Actual core value ((SystemIO.KernIstw.KernX)
			actual values again with other rangeconstants:
0071	float	r/o	Modbus- actual value 1 (SystemIO.BerIstSys.ModbAnaInp[0])
0073	float	r/o	Modbus- actual value 2
0075	float	r/o	Modbus- actual value 3
0077	float	r/o	Modbus- actual value 4
0079	float	r/o	Modbus- actual value 5
007B	float	r/o	Modbus- actual value 6
007D	float	r/o	Modbus- actual value 7
007F	float	r/o	Modbus- actual value 8
0081	float	r/o	Modbus- actual value 9 = terminal temp. in °C
0083	float	r/o	Modbus- actual value 10 = humidity
0085	float	r/o	Modbus- actual value 11 = actual value core
0087	float	r/o	Program source : actual F- value
0089	float	r/o	program source : actual C - value
008B	float	r/o	program source : setpoint chamber delta
008D	float	r/o	program source : setpoint humidity indicatin
008F	float	r/w	program source : setpoint chamber (SystemIO.GeberSys.TemAendAbs.Wkammer)
0091	float	r/w	program source : setpoint Humidity
0093	float	r/w	program source : setpoint core
0095	float	r/w	program source : setpoint DeltaT
0097	float	r/w	program source : setpoint F-value
0099	float	r/w	program source : setpoint C-value
009B	float	r/w	program source : setpoint intensity of smoke
009D	float	r/w	program source : setpoint W 1
009F	float	r/w	program source : setpoint W 2

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adress (hex)	typ of varialbe	access	designation
00A1	float	r/o	program source : actual process setpoint 1 (SystemIO.GeberSys.aktVerf.SW[0])y
00A3	float	r/o	program source : actual process setpoint 2
00A5	float	r/o	program source : actual process setpoint 3
00A7	float	r/o	program source : actual process setpoint 4
00A9	float	r/o	program source : actual process setpoint 5
00AB	word	r/w	program source-Kommando-Buffer (SystemIO.GeberSys.Fkt_Kopf.KommBuff.IkommBuf) Bit 3 (0x1000) : Stop Bit 4 (0x0800) : handmode Bit 5 (0x0400) : Start Bit 13 (0x0004) : next section Bit 14 (0x0002) : external hand Bit 15 (0x0001) : external start (immer ohne Vorlauf)
00AC	word	r/o	program source-Mode-Buffer (SystemIO.GeberSys.Fkt_Kopf.ModeBuff.IModeBuf) Bit 2 (0x2000) : hold = hold after powerlost Bit 3 (0x1000) : Stop = basic status Bit 4 (0x0800) : handmode Bit 9 (0x0040) : Auto 1 (time before start, automatik, program end) Bit 10 (0x0020) : Auto Bit 11 (0x0010) : time before start Bit 12 (0x0008) : Auto/Hand Bit 13 (0x0004) : Auto/Hand external Bit 14 (0x0002) : program end
00AD	word	r/w	program source : next section (SystemIO.GeberSys.nextSec)
00AE	word	r/o	program source : actual program-no. (SystemIO.GeberSys.aktAbs.PgmNr)
00AF	word	r/o	program source : actual section-no. (SystemIO.GeberSys.aktAbs.SecNr)
00B0	word	r/o	program source : max. section-no. (SystemIO.GeberSys.aktAbs.SecMax)
00B1	word	r/w	program source : actual process (SystemIO.GeberSys.TemAendAbs.NrVerfahren)
00B2	long	r/w	program source : section time (SystemIO.GeberSys.TemAendAbs.AbsZeit)
00B4	word	r/o	program source : actual process control contact 1 (SystemIO.GeberSys.aktVerf.StFkt[0])
00B5	word	r/o	program source : actual process control contact 2
00B6	word	r/o	program source : actual process control contact 3
00B7	word	r/o	program source : actual process control contact 4
00B8	word	r/o	program source : actual process control contact 5
00B9	word	r/o	program source : actual process LK activ
00BA	word	r/o	program source : actual process controller activ
00BB	word	r/o	program source : actual process parameter set 1
00BC	word	r/o	program source : actual process parameter set 2
00BD	word	r/o	program source : actual process parameter set 3
00BE	word	r/o	program source : actual process parameter set 4
00D4	long	r/o	program source : remaining segment time (SystemIO.GeberSys.AbsRestZeit)
00D6	long	r/o	program source : remaining program time

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adress (hex)	typ of varialbe	access	designation
00D8	word	r/w	program source : program-start no. 1 (SystemIO.GeberSys.Pgm_Start.PgmNr[0])
00D9	word	r/w	program source : program-start no. 2
..	..	..	..
00E1	word	r/w	program source : program-start no. 10
00E2	word	r/w	program source : program-start section. 1 (Syste-mIO.GeberSys.Pgm_start.AbsNr[0])
00E3	word	r/w	program source : program-start section. 2
..	..	..	..
00EB	word	r/w	program source : program-Start section. 10
00EC	word	r/w	program source : program-Start-date year
00ED	word	r/w	program source : program-Start-date month
00EE	word	r/w	program source : program-Start-date day
00EF	word	r/w	program source : program-Start-date hour
00F0	word	r/w	program source : program-Start-date minute
00F1	word	r/w	program source : program-Start-date second
00F7	float	r/o	controller 1 : Actual value filtered
00FB	float	r/o	controller 1 : setpoint
00FE	float	r/o	controller 1 : Stellgrad
0124	float	r/o	controller 2 : Actual value filtered
0128	float	r/o	controller 2 : setpoint
012B	float	r/o	controller 2 : Stellgrad
0151	float	r/o	controller 3 : Actual value filtered
0155	float	r/o	controller 3 : setpoint
0158	float	r/o	controller 3 : Stellgrad
017E	float	r/o	controller 4 : Actual value filtered
0182	float	r/o	controller 4 : setpoint
0185	float	r/o	controller 4 : Stellgrad
01E3	float	r/o	math 1 : result (SystemIO.MatFktSys[0].MatFktS.Ergebnis)
01EC	float	r/o	math 2 : result
01F5	float	r/o	math 3 : result
01FE	float	r/o	math 4 : result
0202	byte	r/o	logic 1 : result byte-value (SystemIO.LogFktSys[0].Ergebnis)
0207	byte	r/o	logic 2 : result byte-value
020C	byte	r/o	logic 3 : result byte-value
0211	byte	r/o	logic 4 : result byte-value
0216	byte	r/o	logic 5 : result byte-value
021B	byte	r/o	logic 6 : result byte-value
0220	byte	r/o	logic 7 : result byte-value
0225	byte	r/o	logic 8 : result byte-value
022A	float	r/o	analog output value 1 (SystemIO.BerAusSys.Ausgabevalue[0])
022C	float	r/o	analog output value 2
022E	float	r/o	analog output value 3
0230	float	r/o	analog output value 4
0232	byte	r/o	LK 1 status (SystemIO.LimitkSys.LimitkS[0].LKAusgang)
0233	byte	r/o	LK 2 status
0234	byte	r/o	LK 3 status
0235	byte	r/o	LK 4 status
0236	byte	r/o	LK 5 status

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0237	byte	r/o	LK 6 status
0238	byte	r/o	LK 7 status
0239	byte	r/o	LK 8 status

adress (hex)	**typ of varialbe**	**access**	**designation**
023A	long	r/o	binary intputs bitfield (SystemIO.Binaer_IN)
023C	byte	r/o	binary outputs 33..35 (SystemIO.BinAusg.BinaerAusg [0])
023D	byte	r/o	binary outputs 25..32
023E	byte	r/o	binary outputs 17..24
023F	byte	r/o	binary outputs 9..16
0240	byte	r/o	binary outputs 1..8
0241..024B	char 21	r/o	Binary alarm messagetext, position 1..21
024C	byte	r/o	alarm message activ (SystemIO.BinaerAlarm.AlarmMeldung)
024D	byte	r/o	Note message actic
024E	byte	r/w	alarm aknowlage
024F	byte	r/o	Collection - alarm
0257..025F	char 17	r/o	program source : name actual programm (SystemIO.GeberSys.TextPrg[0])
0260..0268	char 17	r/o	program source : name actual process
0269..0271	char 17	r/o	program source : name next process
0272..027A	char 17	r/w	production data text 1, position 1..17 (SystemIO.ProduktSys[0].SIOTextProdukt[10])
027B..0283	char 17	r/w	production data text 2, position 1..17
0284..028C	char 17	r/w	production data text 3, position 1..17
028D..0295	char 17	r/w	production data text 4, position 1..17
0296..029E	char 17	r/w	production data text 5, position 1..17
029F..02A7	char 17	r/w	production data text 6, position 1..17
02A8..02B0	char 17	r/w	production data text 7, position 1..17
02B1..02B9	char 17	r/w	production data text 8, position 1..17
02BA	float	r/w	production data value 1
02BC	float	r/w	production data value 2
02BE	float	r/w	production data value 3
02C0	float	r/w	production data value 4
02C2	float	r/w	production data value 5
02C4	float	r/w	production data value 6
02C6	float	r/w	production data value 7
02C8	float	r/w	production data value 8
0B86	float	r/w	Modbus-interface : external setpoint 1
0B88	float	r/w	Modbus-interface : external setpoint 2
0B8A	float	r/w	Modbus-interface : external setpoint 3
0B8C	float	r/w	Modbus-interface : external setpoint 4
0B8E	bool	r/w	Modbus-interface : external binary value 1
0B8F	bool	r/w	Modbus-interface : external binary value 2
0B90	bool	r/w	Modbus-interface : external binary value 3
0B91	bool	r/w	Modbus-interface : external binary value 4

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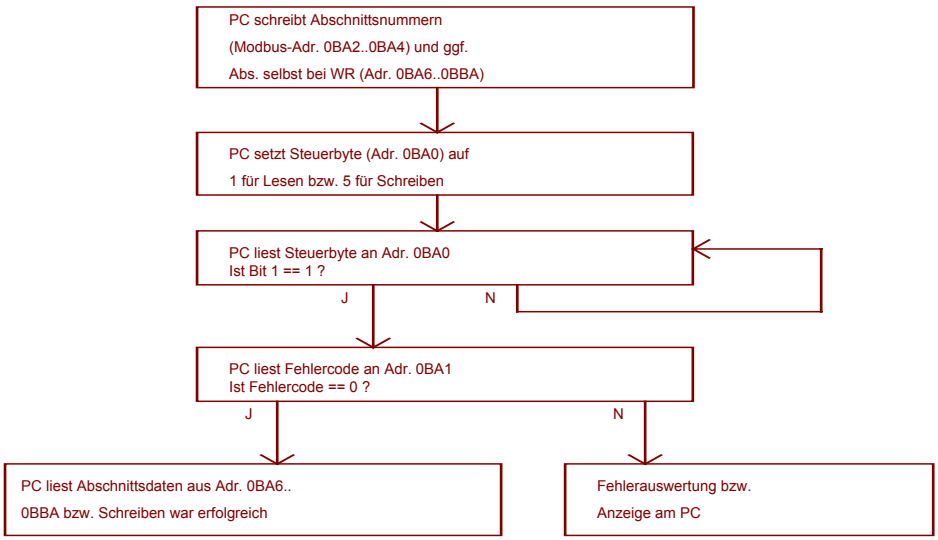
Programmübertragung über Modbus

0BA0	word	r/w	Control byte (ModEditAbsZP.Steuerbyte) Bit 0 = 1: datas in / from device take/read Bit 1 = 1: datas are in / from device taken / read Bit 2 : 0 = read datas, 1 = write datas
0BA1	word	r/w	Errorcode after taking the datas
0BA2	word	r/w	Reserve byte (-1 to delete sections, otherwise 0)
0BA3	byte	r/w	Program-number (value 0..98/103, bzw. –1)
0BA4	byte	r/w	Section-number (value 0..98, bzw. –1)
0BA5	byte	r/w	Max. number of sections ofter taking the datas
0BA6	byte	r/w	datas of section : process
0BA7	float	r/w	datas of section : setpoint chamber
0BA9	float	r/w	datas of section : setpoint humidity
0BAB	float	r/w	datas of section : setpoint core
0BAD	float	r/w	datas of section : setpoint DeltaT
0BAF	float	r/w	datas of section : setpoint F-value
0BB1	float	r/w	datas of section : setpoint C-value
0BB3	float	r/w	datas of section : setpoint intensity of smoke
0BB5	float	r/w	datas of section : setpoint W 1
0BB7	float	r/w	datas of section : setpoint W 2
0BB9	long	r/w	datas of section : section time

Ablaufdiagramm : Daten übertragen



Hierbei sind nur folgende Kombinationen möglich, alle übrigen ungültigen Kombinationen werden mit Errorcode 21 = AuftragUnzulässig beantwortet :

	programNr		AbsNr	Reserve
Rd	0..103	0..98	beliebig	Abschnitt lesen (von 99 program + letzte 5 program)
Rd	-1	beliebig	beliebig	Anz. freier Abschnitte im programspeicher in Reserve zurückgeben
Wr	0..98	0..98	0	Abschnitt schreiben
Wr	0..98	0..98	-1	Abschnitt löschen
Wr	0..98	-1	beliebig	program löschen
Wr	-1	-1	beliebig	Gesamten programspeicher löschen

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Ab hier Erweiterungen ab SWV 01.02 :

adress (hex)	typ of varialbe	access	designation
0CA2	byte	r/o	SystemIO : InternMerker 1
0CA3	byte	r/o	SystemIO : InternMerker 2
0CA4	byte	r/o	SystemIO : InternMerker 3
0CA5	byte	r/o	SystemIO : InternMerker 4

Ab hier Erweiterungen ab SWV 02.03 ? :

adress (hex)	typ of varialbe	access	designation
0CC6	byte	r/o	SystemIO : LuefterStufe 1
0CC7	byte	r/o	SystemIO : LuefterStufe 2
0CC8	byte	r/o	SystemIO : LuefterStufe 3