Device Configuration File: Rev 6.7

File: C:\Users\CSD Training Room\HART Configs\FIT-108 Honeywell
Tag: FIT-108
LongTag/Msg: HART MESSAGE
Manufacturer: Honeywell
Model: TWM9000
Device ID: 2395524
DD: \000017\0050\0202.fm8
Date (yyyy-mm-dd): 2021-08-25
Time (hr:mn:sc): 08:38:48 AM
Tech:
Notes:

Variable	Value		Units
snsr s/n	66051		
time constant	1.0		s
flow speed unit	m/s		
flwsp	-0.01		m/s
Snsr unit	m/s		
USL	12		m/s
LSL	-12		m/s
Min span	0.24		m/s
volume flow unit	Cum/s		
volf	-0.00		Cum/s
Snsr unit	Cum/s		
USL	0.0058905		Cum/s
LSL	-0.0058905		Cum/s
Min span	0.00011781		Cum/s
mass flow unit	kg/s		
masf	-0.00		kg/s
Snsr unit	kg/s		
USL	5.8905		kg/s
LSL	-5.8905		kg/s
Min span	0.11781		kg/s
conductivity unit	uS/cm		
cond	15401.93	Fluctuates 5000-20,000 us/cm	uS/cm
Snsr unit	uS/cm	every 2 seconds . ive seen it	
USL	5e+05	at 75,000 us/cm a few times	uS/cm
LSL	0		uS/cm
Min span	500		uS/cm
coil temp. unit	degF		
ctmp	62.84		degF
Snsr unit	degF		
USL	356		degF
LSL	-58		degF
Min span	8.1567		degF
counter 1 unit	kg		
cntr 1	2232.12		kg
counter 2 unit	Cum		
cntr 2	19.10		Cum
diag. val. unit	V		
El.2:	2.03		V

Variable	Value	Units
Snsr unit	V	
USL	4.1	V
LSL	0	V
Min span	0.041	V
AO1_analog_units	mA	
A	4.00	mA
% range	0.00	%
AO Alrm typ	-6	
Xfer fnctn	0	
AOx_range_units	73	
AOx_urv	0.11111	
AOx_lrv	0	
target conduct.	400.0000	µS/cm
serial no. sensor	A08 08990	
size entry	table [mm/inch]	
size	25mm 1inch	
diagnosis value	terminal 2 DC	
line frequency	automatic	
field frequency	1/6*line frequency	
select settling	standard	
liner	PP	
electr. material	HC	
V no. sensor	VN1444A01C0313000000V0	
num. of electrodes	2 electrodes	
GK	2.7574	
GKL	5.3874	
zero set	0.00103	m/s
coil resist. Rsp	117.91	ohm
density	1.0000	kg/L
flow direction	normal direction	
GK selection	GK and GKL	
linearity	off	
gain	off	
coil current	off	
settling of field	off	
EF electr. factor	3.96	mm
limitation max	12.0000	m/s
limitation min	-12.0000	m/s
time constant	1.0	s
lfc threshold	0.0000	m/s
lfc hysteresis	0.0000	m/s
noise level	0.1000	m/s
pulse filter	off	
noise filter	on	
noise suppression	2	
empty pipe	conductivity	Changed to Conductivity + empty pipe S 60 us/cm
flow profile	off	
electrode noise	off	
4mA trimming	0.0040	mA
gdc_obj_23557_units	0xFF Undefined	

Variable	Value	Units
20mA trimming	0.0200	mA
limitation max	120	%
limitation min	-120	%
time constant	3.0	s
lfc threshold	2.0	%
lfc hysteresis	1.0	%
rc threshold	20.0	%
rc hysteresis	1.0	%
polarity	absolute value	
special function	automatic range Changed to off	
range 0%	4.0	mA
range 100%	20.0	mA
ext. range max A	20.5	mA
error current	21.5	mA
ext. range min A	3.8	mA
error condition	error in device	
phase shift wrt B	off	
time constant	0.0	s
time constant	0.0	s
funct. of counter	sum counter	
funct. of counter	sum counter	
hardware platform	1: basic IO	
terminals D	6: puls/frq/sta /lim	
terminals B	3: stat./lim./ctrl	
terminals A	1: current output	
terminals C	2: status/limit Sw.	
terminals A	current output	
terminals B	off	
terminals C	off	
terminals D	off	
measurement A	mass flow	
measurement B	flow speed	
measurement C	volume flow	
measurement D	flow speed	
measurement	mass flow	
measurement	volume flow	
measurement	mass flow	
range max A	400.00000 Changed to 850kg/h	kg/h
range min A	0.00000	kg/h
measurement D	volume flow	
measurement A	volume flow	
measurement B	volume flow	
mode	output D	
mode	application error	
mode	application error	
mode	output A	
lfc threshold	0.0000	kg/h
lfc hysteresis	0.0000	kg/h
preset value	1.000000	kg
lfc threshold	0.0000	m³/h

Variable	Value	Units
lfc hysteresis	0.0000	m³/h
preset value	1.000000	L
counter select	Display IO	
counter 2 select	counter 2 (D)	
C number	CG30011100	
detected C-No.	CG30011100	
c_number_int_01	67	
c_number_int_02	71	
c_number_int_03	51	
c_number_int_04	48	
c_number_int_05	48	
c_number_int_06	49	
c_number_int_07	49	
C-no. (8th Pos.)	1	
c_number_int_09	48	
c_number_int_10	48	
Status group 1	0x04	
Status group 2	0x20	
Status group 3	0x02	
Status group 4	0x01	
language	English	
select range	manual	
range centre	0	%
range +/-	100	%
time scale	2	min
device serial no.	A08 08990	
electr. serial no.	2395524	
diag val unit	V	
density unit	kg/L	
volume unit	L	
mass unit	kg	
flow speed unit	m/s	
volume flow unit	m³/h	
mass flow unit	kg/h	
temperature unit	°C	
conductivity unit	µS/cm	
measurem. 1.line	mass flow	
limitation max	120	%
limitation min	0	%
time constant	3.0	s
lfc threshold	2.0	%
lfc hysteresis	1.0	%
function	two lines	
measurem. 2.line	bargraph	
measurem. 3.line	counter 1	
measurem. 1.line	volume flow	
limitation max	120	%
limitation min	-120	%
function	three lines	
time constant	3.0	s

Variable	Value	Units
lfc threshold	2.0	%
lfc hysteresis	1.0	%
measurem. 2.line	counter 1	
format 2. line	#X.XXX	
measurem. 3.line	counter 2	
format 3. line	#X.XXX	
measurem. 2.line	bargraph	
measurem. 3.line	counter 1	
measurem. 2.line	counter 1	
measurem. 3.line	counter 2	
measurem. 2.line	bargraph	
measurem. 3.line	0x0B Undefined	
measurem. 2.line	FB4 totalizer 3	
measurem. 3.line	FB2 totalizer 1	
range max	850.0000	kg/h
range min	0.0000	kg/h
format 1. line	#X.X	
range max	8.0000	m³/h
range min	0.0000	m³/h
format 1. line	#X.X	
default display	1. meas. page	
communication select	Basic IO	
ident no.	2134530100	
index		
hardware id	11	
software 1	2	
software 2	0	
software 3	3	
software ext	_	
prod. year	2008	
prod. month	5	
prod. day	14	
calib. year	2008	
calib. month	5	
calib. day	16	
board ser.no.	0	
device status	0x10	
manufacturer	Honeywell	
model	TWM9000	
num req preams	5	
universal rev	5	
fld dev rev	2	
software rev	2	
hardware rev	1	
Physicl signl code	Bell 202 current	
Dev flags	0x00	
dev ID	2395524	
poll addr	0	
tag	FIT-108	
message	HART MESSAGE	

Variable	Value	Units
descriptor	HART DESCRIPTION	
date	02/28/1903	
write protect	None	
Distributor	Krohne	
final asmbly num	66051	
failure (device)	0x00	
failure (device)	0x00	
failure (device)	0x00	
failure (application)	0x00	
failure (application)	0x00	
failure (application)	0x00	
Operate mode 1	Normal	
Operate mode 2	Normal	
AO saturated	0x00	
AO saturated	0x00	
AO saturated	0x00	
AO fixed	0x00	
AO fixed	0x00	
AO fixed	0x00	
out of specification	0x00	
out of specification	0x00	
out of specification	0x00	
check function	0x00	
information	0x04	
information	0x00	
Status group 21	0x00	
Status group 22	0x00	
Status group 23	0x00	
Status group 24	0x00	
Status group 25	0x00	
PV is	mass flow	
SV is	volume flow Changed to mass flow	
TV is	counter 1 (C)	
4V is	counter 2 (D)	