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Selection and Ordering data	Article No.	Order code
Energy calculator SITRANS FUE950, MID or PTB K7.2 custody transfer approved	**7ME3480 -** ■■■■■ **-** ■■■■ ■■■

Flow input setting (IN0)
(The pulse input value selection must be the same as the pulse output setting of the selected flowmeter)

Pulse input in l/pulse or in gal/pulse (with option L05)	Flow limit Q_{max} in m³/h	Flow limit Q_{max} in GPM *) (with option L05)		
1	360	6 000	(In l/p recommended selection for MAG: DN 2 ... 65 and FUS380/FUE380: DN 50 ... 65)	**2 A**
2.5	900	15 000	(In l/p recommended selection for MAG and FUS380/FUE380: DN 80 ... 125)	**2 B**
5	1 800	30 000		**2 C**
10	3 600	60 000	(In l/p recommended selection for MAG and FUS380/FUE380: DN 150 ... 250)	**3 A**
25	9 000	150 000		**3 B**
50	18 000	300 000	(In l/p recommended selection for MAG and FUS380/FUE380: DN 300 ... 400)	**3 C**
100	36 000	600 000	(In l/p recommended selection for MAG and FUS380/FUE380: DN 500 ... 1200)	**4 A**
250	90 000	-	(In gal/pulse and GPM not available)	**4 B**
500	180 000	-	(In gal/pulse and GPM not available)	**4 C**
1 000	360 000	-	(In gal/pulse and GPM not available)	**5 A**

*) GPM = Gallons per minute

Calculator application/Flowmeter installation place

For heating, flowmeter in return pipe (cold pipe), typical standard	**A**
For heating, flowmeter in forward pipe (hot pipe)	**B**
For cooling, media water, flowmeter in forward pipe (cold pipe)	**C**
For cooling, media water, flowmeter in return pipe (hot pipe)	**D**
For combined cooling/heating, flowmeter in forward pipe (hot pipe as heating) (MID conformity declaration for heating)	**E**
For combined cooling/heating, flowmeter in return pipe (cold pipe as heating) (MID conformity declaration for heating)	**F**

Temperature sensor type

Pt500 setup, no sensor pair included (standard)	**0**
Pt500 setup and Pt500 sensor pair (6/140 mm), 4-wire with 5 m connection cable, 6 mm sensor diameter and 140 mm sensor length. MID approved DE-06-MI004-PTB011, PTB approved 22.77/09.01, incl. factory test report (mentioned approvals are only valid if temp. sensors are used with the applicable temperature sensor pockets).	**3**
Pt500 setup and Pt500 sensor pair (6/230 mm), 4-wire with 5 m connection cable, 6 mm sensor diameter and 230 mm sensor length. MID approved DE-06-MI004-PTB011, PTB approved 22.77/09.01, incl. factory test report (mentioned approvals are only valid if temp. sensors are used with the applicable temperature sensor pockets).	**4**
Pt100 setup, no sensor pair included	**5**
Pt 500 setup and PT500 sensor pair (6/50 mm), 2-wire type incl. 5 m cable, 6 mm sensor diameter and 50 mm length, with MID approval (only for use with the applicable temperature sensor pockets)	**6**
Pt 500 setup and PT500 sensor pair (6/50 mm), 2-wire type incl. 10 m cable, 6 mm sensor diameter and 50 mm length, with MID approval (only for use with the applicable temperature sensor pockets)	**7**

Temperature sensor pocket sets: (for 6 mm sensor diameter)

No pockets (standard)	**0**
Brass pockets for 6 mm 2-wire sensors, length 92/92 mm, G½ inch, max. PN 16 (2 pcs.)	**2**
Stainless steel pocket, 120/135 mm length for 6 mm sensor diameter, max. PN 40 and max. 5 m/s (2 pcs. for 140 mm 4-wire sensors above)	**5**
Stainless steel pockets for 6 mm 2-wire sensors, length 117/127 mm, G½ inch, max. PN 25 (2 pcs.)	**6**
Stainless steel pocket, 210/225 mm length for 6 mm sensor diameter, max. PN 40 and max 5 m/s (2 pcs. for 230 mm 4-wire sensors above)	**7**
Stainless steel pockets for 6 mm 2-wire sensors, length 155/168 mm, G½ inch, max. PN 25 (2 pcs.)	**8**

Voltage supply

Battery 3.6 V DC (Litium D-cell type) (standard)	**1**
Mains power module for 230 V AC supply (incl. back-up battery)	**2**
Mains power module for 24 V AC supply (incl. back-up battery)	**3**
No power supply module (power supply ordering separate)	**4**

Flow Measurement
SITRANS F US Inline

SITRANS FUE950 energy calculator

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Energy calculator SITRANS FUE950, MID or PTB K7.2 custody transfer approved	**7 M E 3 4 8 0 - ▨▨▨▨▨ - ▨▨▨▨**	**▨▨▨**

Option modules

	Order code
No module (standard)	A
1 module (communication module)	
M-Bus module	B
RS 232 module (M-Bus protocol)	C
RS 485 module (M-Bus protocol)	D
1 module (function module)	
Pulse output, 2x output (Out1 "Energy" and Out2 "Volume")	E
Pulse input, 2x input (In1 and In2)	F
Pulse out-/input combination, 2x input and 1x output	G
Combination of 2 modules (communication and function module)	
M-Bus module and Pulse output, 2x output (Out1 "Energy" and Out2 "Volume")	H
M-Bus module and Pulse input, 2x input (In1 and In2)	J
M-Bus module and Pulse out/-input combination, 2x input and 1x output	K
RS 232 module (M-Bus) and Pulse output, 2x output (Out1 "Energy" and Out2 "Volume")	L
RS 232 module (M-Bus) and Pulse input, 2x input (In1 and In2)	M
RS 232 module (M-Bus) and Pulse out/-input combination, 2x input and 1x output	N
RS 485 module (M-Bus) and Pulse output, 2x output (Out1 "Energy" and Out2 "Volume")	P
RS 485 module (M-Bus) and Pulse input, 2x input (In1 and In2)	Q
RS 485 module (M-Bus) and Pulse out/-input combination, 2x input and 1x output	R
Combination current output module, 2x passive 4 ... 20 mA (Out 1 "Power", Out 2 "Flow") (occupies both module Ports 1 and 2)	S

Display units and resolutions

	Order code
MWh & kW, m³, m³/h in 2 digit resolution; Temperature: no decimal figures	C
MWh & kW, m³, m³/h in 1 digit resolution; Temperature: no decimal figures	D
MWh & kW, m³, m³/h in 0 digit resolution; Temperature: no decimal figures	E
GJ & kW, m³, m³/h in 2digit resolution; Temperature: no decimal figures	H
GJ & kW, m³, m³/h in 1 digit resolution; Temperature: no decimal figures	J
GJ & kW, m³, m³/h in 0 digit resolution; Temperature: no decimal figures	K
Gcal & kW, m³, m³/h in 2 digit resolution; Temperature: no decimal figures	M
Gcal & kW, m³, m³/h in 1 digit resolution; Temperature: no decimal figures	N
Gcal & kW, m³, m³/h - in 0 digit resolution; Temperature: no decimal figures	P
MBTU & MBTU/h, m³, m³/h in 2 digit resolution; Temperature: no decimal figures	Q
MBTU & MBTU/h, m³, m³/h in 1 digit resolution; Temperature: no decimal figures	R
MBTU & MBTU/h, m³, m³/h - in 0 digit resolution; Temperature: no decimal figures	S

Verification/Approval

	Order code
Without type approval mark, neutral label (standard))	0
With MID type approval mark (only for heating combinations, selection "A, B, E and F")	1
With MID approval mark and first MID verfication (only for heating, selection A, B, E and F")	2
Cooling approval mark, German national cooling approval according PTB-TR-K7.2 (only for cooling and media water, selection "C and D")	7
Cooling approval mark, German national cooling approval according PTB-TR-K7.2 and first verification (only for cooling and media water, selection "C and D")	8

Further designs

	Order code
Please add "**-Z**" to Article No. and specify Order code	

Certificate

	Article No.	
Including factory test report (certificate) of FUE950	**ALWAYS INCLUDED**	

Cooling, setup for non water

	Order code
Water/glycol setting for media type "Tyfocor LS (R)" (only with neutral label, no verification and approval)	C 0 2

Optional settings/programming

	Order code
Tariff function settings (specify in clear text, up to max. 20 characters)	D 0 2
Pulse output setting of option module (specify in clear text, up to max. 20 characters)	D 0 6
Pulse input setting of option module (specify in clear text, up to max. 20 characters)	D 0 8
Pulse input setting of 4 ... 20 mA option module (please specify 20 mA related type and value in clear text, up to max. 20 characters)	D 1 0

Special display units

	Order code
Flow in 'GPM' and Volume in 'gal' (x100) (digits/resolution as selected above, only with 0 digit resolution)	L 0 5
Temperature in deg. F (digit resolution as selected above)	L 3 1