Selection and Ordering data	Order 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 m^3/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**

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

No pockets (standard)	**0**
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 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**

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**

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Option modules at Ports 1 and 2		
No module at Ports 1 and 2 (standard)	**A**	
Module on Port 1 (communication)		
M-Bus module and no module on Port 2	**B**	
RS 232 module (M-Bus protocol) and no module on Port 2	**C**	
RS 485 module (M-Bus protocol) and no module on Port 2	**D**	
Module on Port 2 (pulse in-/outputs)		
Pulse output, 2x output (Out1 "Energy" and Out2 "Volume") and no module on Port 1	**E**	
Pulse input, 2x input (In1 and In2) and no module on Port 1	**F**	
Pulse out-/input combination, 2x input and 1x output and no module on Port 1	**G**	
Combination of modules on Ports 1 and 2		
M-Bus module (Port 1) and Pulse output, 2x output (Out1 "Energy" and Out2 "Volume") (Port 2)	**H**	
M-Bus module (Port 1) and Pulse input, 2x input (In1 and In2) (Port 2)	**J**	
M-Bus module (Port 1) and Pulse out/-input combination, 2x input and 1x output (Port 2)	**K**	
RS 232 module (M-Bus) (Port 1) and Pulse output, 2x output (Out1 "Energy" and Out2 "Volume") (Port 2)	**L**	
RS 232 module (M-Bus) (Port 1) and Pulse input, 2x input (In1 and In2) (Port 2)	**M**	
RS 232 module (M-Bus) (Port 1) and Pulse out/-input combination, 2x input and 1x output (Port 2)	**N**	
RS 485 module (M-Bus) (Port 1) and Pulse output, 2x output (Out1 "Energy" and Out2 "Volume") (Port 2)	**P**	
RS 485 module (M-Bus) (Port 1) and Pulse input, 2x input (In1 and In2) (Port 2)	**Q**	
RS 485 module (M-Bus) (Port 1) and Pulse out/-input combination, 2x input and 1x output (Port 2)	**R**	
Combinations current output module, 2x passive 4 ... 20 mA (Out 1 "Power", Out 2 "Flow") (occupies module Ports 1 and 2)	**S**	
Display units and resolutions		
MWh & kW, m^3, m^3/h in 2 digit resolution; Temperature: no decimal figures	**C**	
MWh & kW, m^3, m^3/h in 1 digit resolution; Temperature: no decimal figures	**D**	
MWh & kW, m^3, m^3/h in 0 digit resolution; Temperature: no decimal figures	**E**	
GJ & kW, m^3, m^3/h in 2digit resolution; Temperature: no decimal figures	**H**	
GJ & kW, m^3, m^3/h in 1 digit resolution; Temperature: no decimal figures	**J**	
GJ & kW, m^3, m^3/h in 0 digit resolution; Temperature: no decimal figures	**K**	
Gcal & kW, m^3, m^3/h in 2 digit resolution; Temperature: no decimal figures	**M**	
Gcal & kW, m^3, m^3/h in 1 digit resolution; Temperature: no decimal figures	**N**	
Gcal & kW, m^3, m^3/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, m^3, m^3/h in 1 digit resolution; Temperature: no decimal figures	**R**	
MBTU & MBTU/h, m^3, m^3/h - in 0 digit resolution; Temperature: no decimal figures	**S**	
Verification/Approval		
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		
Please add "**-Z**" to Order No. and specify Order code		
Certificate		
Including factory test report (certificate) of FUE950	**ALWAYS INCLUDED**	
Cooling, setup for non water		
Water/glycol setting for media type "Tyfocor LS (R)" (only with neutral label, no verification and approval)		**C02**
Optional settings/programming		
Tariff function settings (specify in clear text, up to max. 20 characters)		**D02**
Pulse output setting of option module (specify in clear text, up to max. 20 characters)		**D06**
Pulse input setting of option module (specify in clear text, up to max. 20 characters)		**D08**
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)		**D10**
Special display units		
Flow in 'GPM' and Volume in 'gal' (x100) (digits/resolution as selected above, only with 0 digit resolution)		**L05**
Temperature in deg. F (digit resolution as selected above)		**L31**