

# MDVH4006

current transformer meter  
with German approval for reactive energy  
and CT ratio logbook



# Data sheet

# current transformer meter MDVH4006

<b>Type</b>	4-wire transformer connection meter
<b>Functional characteristics</b>	DIN rail meter for 4-quadrant measurement with German approval for reactive energy and CT ratio logbook Adjustable internal conversion factor for LCD display
<b>Measuring unit parameters</b>	
Nominal voltage $U_N$	3x230/400 V
Reference current value $I_{ref}$	1 A
Limit current $I_{max}$	6 A
Actual starting current	<0.001 $I_{ref}$
Rated frequency	50 Hz
Accuracy class	Active energy: Class C, Reactive energy: Class 2 (EN 50470-3)
Pulse values of the LED	10.000 Imp./kWh
<b>Intrinsic consumption</b>	
Voltage path	< 2 W / 10 VA at $U_N$
Current path	< 1 VA at $I_{ref}$
<b>Temperature range</b>	
Operation	-25 °C to +55 °C
Storage and transport	-40 °C to +70 °C
<b>Display</b>	
Version	LCD, 8-digit
Scope of the display	configurable range
<b>Output</b>	
Pulse output	min. firmware version; active consumption
<b>Energy counters</b>	
tariffless registers	S0 interface, 1 per quadrant (5000 imp./kWh; 5000Imp./kvarh)
<b>Maximum totalizers</b>	
tariffless registers	1 per quadrant
<b>Load profile memory</b>	
Measuring channels	8, up to 43,200 entries
<b>Additional values</b>	
Total power	Via electr. interface
Active power per phase	Instantaneous value +P/-P +Q/-Q
Current per phase	Instantaneous values + $P_{L1}$ /- $P_{L1}$ ; + $P_{L2}$ /- $P_{L2}$ ; + $P_{L3}$ /- $P_{L3}$
Voltage per phase	Instantaneous values $I_{L1}$ ; $I_{L2}$ ; $I_{L3}$
Mains frequency	Instantaneous values $U_{L1}$ ; $U_{L2}$ ; $U_{L3}$
Phase angle	Instantaneous value
<b>Logbook</b>	
Voltage failure	Instantaneous values I-V
Synchronization Time	Via electr. interface
Time asynchronous	20 entries, with date & time
<b>Data interfaces</b>	
electr. interface	20 entries, with date & time
	20 entries, with date & time
<b>Housing</b>	
Size	5 TE
Dimensions	approx. 86 x 87,5 x 62 (H x W x D) mm
Protection class	II
Protection class	IP 51
Material	glass fiber reinforced polycarbonate (flame retardant, recyclable)
<b>Weight</b>	approx. 0.5 kg

