

# MDVH4006

Current transformer meter with  
for reactive energy and CT ratio  
logbook



<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 Un	3x230/400 V
Reference current value Iref	1 A
Limit current Imax	6 A
Actual starting current	<0.001 Iref
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 Current path	< 2 W / 10 VA at Un < 1 VA at Iref
<b>Temperature range</b>	
Operation Storage and transport	-25 °C to +55 °C -40 °C to +70 °C
<b>Display</b>	
Version Scope of the display	LCD, 8-digit 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) 1 per quadrant
<b>Maximum totalizers</b>	
tariffless registers	8, up to 43,200 entries
<b>Load profile memory</b>	
Measuring channels	Via electr. interface
<b>Additional values</b>	
Total power Active power per phase	Instantaneous value +P/-P +Q/-Q instantaneous values +PL1/-PL1; +PL2/-PL2; +PL3/-PL3
Current per phase	Instantaneous values IL1; IL2; IL3
Voltage per phase	Instantaneous values UL1; UL2; UL3
Mains frequency Phase angle	Instantaneous value Instantaneous values I-V
<b>Logbook</b>	
Voltage failure	Via electr. interface 20 entries, with date & time
Synchronization Time	20 entries, with date & time
Time asynchronous	20 entries, with date & time
<b>Data interfaces</b>	
electr. interface	RS485, Modbus RTU
<b>Housing</b>	
Size Dimensions	5 TE approx. 86 x 87,5 x 62 (H x W x D)
Protection class	mm II IP 51 glass fiber reinforced polycarbonate (flame retardant, recyclable)
Material	
<b>Weight</b>	approx. 0.5 kg

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