

Data

UPM2, UPM GEO and UPM2K

Maximum rating	Symbol	Value
PWM frequency input		
High-speed optocoupler	f	100-4000 Hz
Low-speed optocoupler		150-800 Hz
Rated input voltage		
High level	U_{IH}	4-24 V
Low level	U_{IL}	< 1 V
High-level input current	I_{IH}	< 10 mA
Input duty cycle	PWM	0-100 %
PWM frequency output, open collector	f	75 ± 5 %
Accuracy of output signal regarding power consumption	-	± 2 % of PWM signal
Accuracy of output signal regarding flow		
< 1 m ³ /h		± 0.1 m ³ /h
1 to 2.5 m ³ /h		± 0.2 m ³ /h
Note: A PWM output signal below 5 % is too inaccurate for the calculation of the flow.		
Output duty cycle	PWM	0-100 %
Collector emitter breakdown voltage on output transistor	U_c	< 70 V
Collector current on output transistor	I_c	< 50 mA
Maximum power dissipation on output resistor	P_R	125 mW
Zener diode working voltage	U_z	36 V
Maximum power dissipation in Zener diode	P_z	300 mW