Technical Datasheet

Diehl Sharky 775 Heat & Cooling Meter

The SHARKY 775 is an ultrasonic compact energy meter for measuring energy consumption in heating and cooling applications for billing purposes. It measures by transit time, so there are no moving parts to wear, with low pressure loss, large metering dynamics, a low start flow rate and insensitivity to suspended particles. It has extremely low power consumption for a battery life of up to 16 years, an optional integrated radio and a modular design with MBus, RS232, RS485, analogue 4 to 20 mA and pulse outputs.

Features:

- MID approval with dynamic range up to 1:250 (class 2, depends on size)
- Sizes from DN15 to DN100, Qp 0.6 to 100 m³/h
- Battery life of up to 16 years
- Integrated radio option
- Modular: MBus, RS232, RS485, 4 to 20 mA, pulse in and out
- 8 digit LCD display



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Meter Data Management

Billing Solutions

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Diehl Sharky 775 Heat & Cooling Meter

Part Codes	
DI525HM	DN25 Sharky 775 Ultrasonic Heat Meter MBus, 25 mm, Qp 3.5 m³/h
DI532HM	DN32 Sharky 775 Ultrasonic Heat Meter MBus, 32 mm, Qp 6.0 m³/h
DI540HM	DN40 Sharky 775 Ultrasonic Heat Meter MBus, 40 mm, Qp 10.0 m³/h
DI550HM	DN50 Sharky 775 Ultrasonic Heat Meter MBus, 50 mm, Qp 15.0 m³/h
DI526HM	DN25 Sharky 775 Ultrasonic Heat Meter WMBus, 25 mm, Qp 3.5 m³/h
DI533HM	DN32 Sharky 775 Ultrasonic Heat Meter WMBus, 32 mm, Qp 6.0 m³/h
DI541HM	DN40 Sharky 775 Ultrasonic Heat Meter WMBus, 40 mm, Qp 10.0 m³/h
DI551HM	DN50 Sharky 775 Ultrasonic Heat Meter WMBus, 50 mm, Qp 15.0 m³/h
DI775MO	Diehl Sharky 775 Modbus Card

Technical Specification	
Display	
Indication	LCD, 8 digits
Units	MWh, kWh, GJ, Gcal, MBtu, gal, GPM, °C, °F, m³, m³/h
Values displayed	Energy, power, volume, flow rate, temperature
Interfaces	
Optical	ZVEI interface for communication and testing, MBus protocol
MBus	Configurable telegram to EN 13757 3, two wire with polarity protection, auto baud detect (300 and 2400 baud), 2 MBus with 2 primary addresses
L Bus	Adapter for external radio module, configurable telegram to EN 13757 3
Dimensions (DN25 to DN50)	
DN25, Qp 6	Overall length 260 mm, thread G 1 1/4 B
DN32, Qp 6	Overall length 260 mm, thread G 1 1/2 B
DN40, Qp 10	Overall length 300 mm, with coupling 440 mm
DN50, Qp 15	Overall length 270 mm

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