Axioma Qalcosonic E4 Heat & Cooling Meter

Part Code	Name
MP115HM	Axioma E4 Ultrasonic Heat & Cooling Meter
MP120HM	Axioma E4 Ultrasonic Heat & Cooling Meter

The Axioma Qalcosonic E4 is a cost effective smart ultrasonic heating and cooling meter for commercial metering of consumed energy where water is the heat carrier, such as residential buildings, enterprises and commercial premises. It is MID approved to EN 1434 and has a static ultrasonic flow sensor with no moving parts and a replaceable long life battery.

Features:

- Measuring accuracy class 2, MID approved
- Dynamic range up to qp/qi 100 and 250
- Sizes DN15, DN20, DN25 and DN32, PN16
- Heating and cooling, no straight sections required
- Modular design with replaceable battery
- Battery life over 15 + 1 years
- Optional communication modules: LoRaWAN, BACnet, Modbus



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

Sycous Limited is Registered in England and Wales. Company Number 08836039

Technical Datasheet
Axioma Qalcosonic E4 Heat & Cooling Meter

SYCOUS®

Technical Specification	
General	
Protection class	IP65/67/68
Display	8 digit LCD
Ambient temperature	+5 to +55 C
Units	kWh, MWh, GJ, Gcal, m3 (selectable at installation)
Installation position	Any (vertical, horizontal, rising or down pipe)
Mounting of calculator	DIN rail or wall
Pulse inputs/outputs	2 configurable, or none (specified when ordering)
Measurement	
Temperature sensor	Pt500, two wire, 0 to 90 C
Temperature of conveying liquid	0.1 to 90 C
Flow sensor cable length	1.2 m
Power supply	
Battery	3.6 V 2.4 Ah (Li-SOCl2), at least 15 + 1 years
External	12 to 42 VDC or 12 to 36 V 50/60 Hz AC, 10 mA, with AA 3.6 V back up battery
Data and interfaces	
Archive	1480 hours, 1130 days, 36 months
Data retention	At least 15 years without power
Radio interface	wMBus S1, T1, OMS mode, LoRa (by request)
Optical interface	Reading by MBus protocol and parameterisation



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

sycous.com **+44 (0) 113 3604 776** **info@sycous.com** **New York House, 1 Harper Street, Leeds, LS2 7EA**

Sycous Limited is Registered in England and Wales. Company Number 08836039