


HCM4

Thermal Energy Calculating Meters

- **Calculates The Energy Used In Heating or Cooling Systems**
- **kWh or mWh Readout**
- **'On Site' Programming Facility**
- **Manufactured to ISOEN 1434 – Class 1.0**
- **Suitable For All Billing Applications – Including Renewable Heat Incentive** 
- **Open Collector Pulsed Output – (With grab circuit) – As standard**
- **Prepayment Option**
- **Only Heat Meter – Designed for a 20 year life**



DHAS Temperature Sensors

Features

The DHAS provides high accuracy and reliability for temperature measurement of volume of liquids for both hot and cold water piped systems and secondary refrigerants (brine – HCM4009)

Each device has a unique 64 bit serial code stored in an onboard ROM (sensors cannot be wired incorrectly at installation)

- **Can be trimmed to any length without damaging the accuracy**
- **Digital signaling ensures both high accuracy and ease of installation**
- **DHAS sensors can be used inside pipe pockets or uniquely can be strapped directly onto the pipe work subject to installation instruction adherence, without any detriment to accuracy.**



Temperature Operating Range - 55c to + 125c
Storage Range - 55c to +125c
Accuracy 1 % Standard



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www.hcm4.com

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Cable Construction

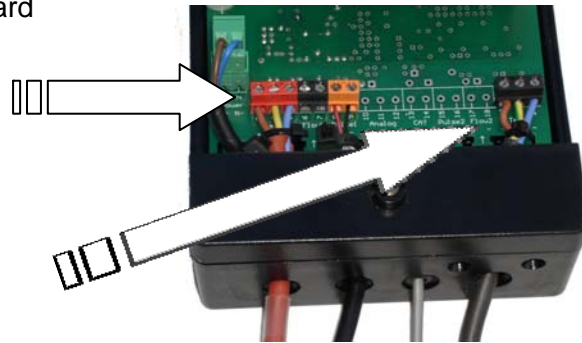
3 wire heat resistant cable 0.5mm
Temperature Range -25c to +130c Insulation – Silicone
Fire Exposure – Minimal smoke and fumes
Maximum Operating Length 200metres
Outlayer Of Cable Hardened Rubber to provide maximum protection

Wiring

3 Core – hard wired into calculator circuit board

Red Sensor	Terminal	Colour
	3	Brown
	4	Green/Yellow
	5	Blue

Black Sensor	19	Brown
	20	Green/Yellow
	21	Blue



Long Distance Sensors

DHAS Sensors can be uniquely manufactured to provide operating lengths of up to 200metres without the loss of any accuracy
The standard length is 1.5 metres

Cable Length(s)	1.5metres (standard)	Order Code DHAS15
	5 metres (LD)	Order Code DHAS LD5
	10 metres (LD)	Order Code DHAS-LD10
	50 metres (LD)	Order Code DHAS-LD50
	100 metres (LD)	Order Code DHAS-LD100
	200 metres (LD)	Order Code DHAS LD200

DHAS Sensors

Can be used in conjunction with any HCM4 product
Order Code HCM4000 to HCM4010

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