

meters uk Ltd™

Utility Meter Manufacturers
Electricity – Gas – Heat – Water Meter Manufacturers

HCM TOM – Thermal Oil – Energy Calculating Meter

Data Sheet

Case -- Heavy Duty Nylon Case with perspex front viewing panel, two programming buttons located on the front panel

Case Size -- 124mm wide 170 mm high 95 mm deep

Mounting -- Wall mounted or option din rail and panel brackets

Case Weight 0.9kg

LCD Display -- 16 Characters including spaces

Display Visual Size -- 65mm wide 13 mm high with dots per character 5 x 7

Environmental Class -- Confirms to the operational requirements of both Class B

(Domestic Outdoor Installations) and Class C (Industrial Installations)

Temperature Operating Range 0c to 250c

Accuracy Class -- Complete Unit = Calculating Module & PT100 Sensors= Accuracy Class 2

Temperature Sensors – PT100

Sensor Mounting/Fixing – Either brass pockets into pipe work

Sensor Accuracy -- Conforms to within the ISOEN 1434 Parts 1 to 6 - Class 2 requirements

Low Flow Error Compensation – Software compensation to greatly improve accuracy at low flows

Power Consumption – Idle 0.03amps Operational 0.1amp

CE Conformity -- Conforms to Low Voltage Directive 73/23/EEC

Conformity – Conforms to both RoHS & WEEE directives

Pulse Output - Open collector --with grab circuit – band width 25ms – 10 pulses per KWh/MWh

Wiring -- 21 way (max) Terminal block on PCB -- Removal of case cover is required -- sealable terminals on completion of wiring

CAT Terminal – (Optional) Calculator Alarm Terminal – despatches voltage alarm at error code points.

Operational Error Codes

ERROR 1 No sensors connected or shorted to 5volts

ERROR 2 Data shorted to 0 volts

ERROR 3 Data transmission error

ERROR 4 Only 1 sensor connected

ERROR 5 Not a pair (either 2 hot or two cold connected)



4 - 20 mA Outputs -- Control signal with 2 test points at 4 mA & 20 mA -- Programmable for either Active(standard)or passive signals (0 to 10mA available as an alternative)

Total no of graduations 800 = Value of each graduation 20 micro amps Supply Voltage 15 volts Maximum Voltage 30 volts. High Refresh Rate 1 Sec

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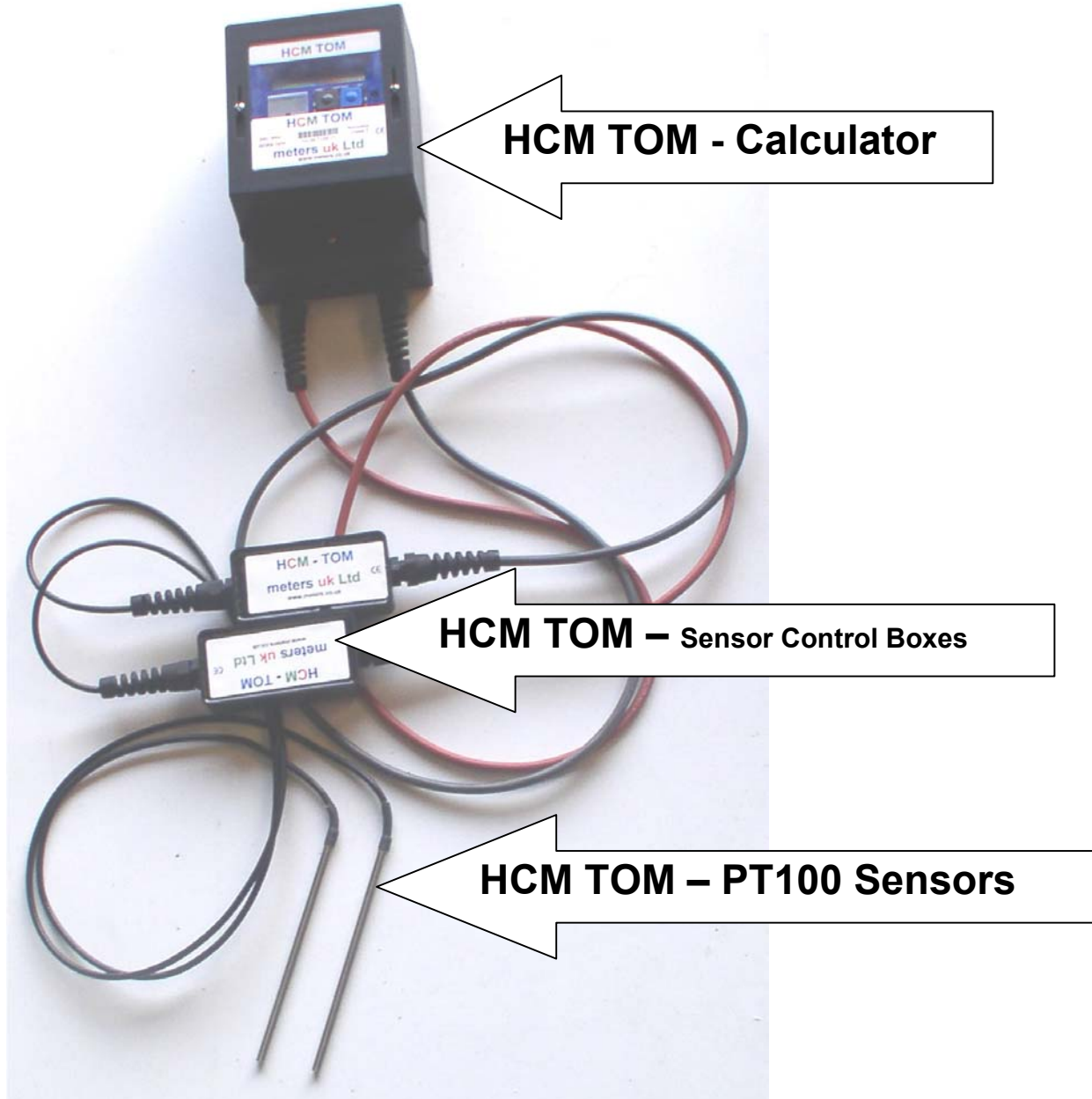
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