

Heat Meter (HM) Commissioning Report

1. HM Location

SSRH Ref

Site Address

Heat Meter Ref (e.g.: HM1)

Heat Meter Location

Eligible Heat Yes No

2. Installing Company

Company Name

Company Address

Contact Tel. No.

3. HM Details

Has the correct Heat Meter been installed, as determined in the Designer`s system specifications? Yes No

In relation to the specified protection class (IP), is every cable diameter within the minimum and maximum diameter as specified by the manufacturer? Yes No

Nominal Diameter IP

HM MID Class (E.g. Class 2)

	Energy Calculator	Flow Sensor	Temp Sensor Pair
Manufacturer	<input type="text"/>	<input type="text"/>	<input type="text"/>
Type	<input type="text"/>	<input type="text"/>	<input type="text"/>
Model	<input type="text"/>	<input type="text"/>	<input type="text"/>
Serial Numbers	<input type="text"/>	<input type="text"/>	<input type="text"/>
Security Tag Numbers	<input type="text"/>	NA	<input type="text"/>
Calibration Cert. No	<input type="text"/>	<input type="text"/>	<input type="text"/>
Calibration date	<input type="text"/>	<input type="text"/>	<input type="text"/>

4. On site Heat Meter Checks

General	Answer
Before Heat Meter installation, has the circuit into which the flow sensor is to be installed been thoroughly flushed to remove debris?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Has the strainer, where fitted, been cleaned?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Heat Meter protected from the risk of damage by shock and vibration, induced by the surroundings at the place of installation?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Heat Meter not subjected to undue stresses caused by pipes and fitting?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Heat Meter installed at a safe distance from sources of electromagnetic interference (switchgear, electric motor, fluorescent lights)?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Are the gaskets dedicated to the applications (e.g. temperature range, pressure, durability, medium)?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Are the accessories correctly installed according to the installation instructions of the manufacturer and operator?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Where called for, has the Heat Meter been correctly earthed?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Heat Meter operates from an AC mains supply, has it been wired in accordance with wiring regulations?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Flow Sensor	Answer
Is the Flow sensor installed in the direction of the flow?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Flow Sensor location correct? (e.g., not adjacent to pumps & pipe bends)	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Flow sensor fitted to return pipework?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Has a filter and a de-aerator been installed to avoid dirt and air in the system?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Temperature Sensors	Answer
Are Temperature sensors labelled with serial numbers indicating a “matched pair”?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the 1 st temperature sensor mounted within minimum required downstream distance of Flow Sensor or other heat sources such as a storage tank?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the 2 nd Temperature Sensor is similarly mounted on associated Supply / Return section?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Are Temperature sensors installed as per manufacturer instructions (E.g. fitting correctly into the sensor pockets when these are required for safety reasons)?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Are the sensor pockets shorter than 140 mm?	Yes <input type="checkbox"/> No <input type="checkbox"/>
If sensor pockets are shorter than 140 mm, do the sensors have the “EN 1434” mark?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is remote HM reading capability available on the HM?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is remote HM reading activated and operational on the HM?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is central control/HMI with correct display of heat energy for the site?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is there any risk of electrical interference?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Calculator	Answer
What is the system working fluid? (e.g. water/ ethylene glycol/ propylene glycol)	
Is Flow sensor configured on calculator for system working fluids? (e.g. water/ glycol solution)	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Flow sensor configured on calculator for Return mounting before start-up? (e.g. to ensure correct compensation for density change with temperature)	Yes <input type="checkbox"/> No <input type="checkbox"/>
Has the Application been set to "Heating" in the energy calculator	Yes <input type="checkbox"/> No <input type="checkbox"/>
Has the calculator been configured for local storage of energy data	Yes <input type="checkbox"/> No <input type="checkbox"/>
Enter the Supply & Return temperatures that are in the Energy Calculator (° C)	
Enter the Volumetric Flow (m3/h) that is in the calculator	
Enter the Energy Output (Kwh) that is in the calculator	
Is the Heat meter data sampling interval equal or less than 15 min?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Controls	Answer
Is the Heat Meter seen to be functioning when the heating system starts operating?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is remote HM readying capability available on the HM?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is remote HM reading activated and operational on the HM?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is central control/HMI with correct display of heat energy for the site?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is there any risk of electrical interference?	Yes <input type="checkbox"/> No <input type="checkbox"/>

5. Declaration

I confirm that the Heat Meter referenced above has been installed fully in accordance with Manufacturers` instructions and the information provided above is correct.

Name of Installer
(in capital letters)

Date Installed

Signature of Installer