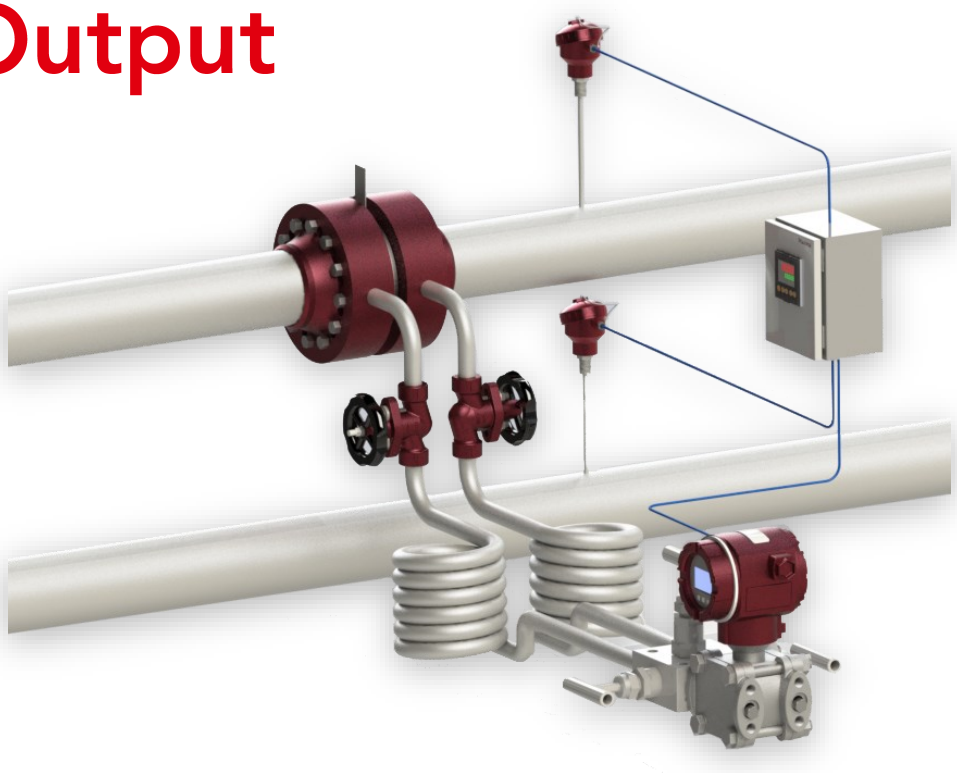
Cal+ Series

MAXIMA STEAM WORKS

Net Heat Output

Calorie Meter

Economical
Simple to Use



Features	Details	Benefits
Digital Display	• Instantaneous digital display of heat output	• Precise monitoring of heat output
Programmable Thermic Fluid Data	• User programmable thermic fluid data for precise heat output calculations	• Flexibility with change of thermic fluid with optimised parameters
Multiple TFH Hook Up to Same Control Panel	• Upto 3 TFHs can be connected to a single control panel	• Common control panel upto three different TFHs
Retransmission Output	• 4-20 mA or RS 485 retransmission output options available on request	• Data can be transferred to DCS/SCADA/BMS locally in the plant
Real Time Trends (Advanced Version	• Real time trends for monitoring flue gas oxygen variations	• Monitor the behaviour and take corrective actions
USB Storage Support (Advanced Version)	• Data can be stored in external USB storage	• Data recording & retrieving for analysis
Ethernet Connectivity (Advanced Version)	• Data can be monitored remotely with 4.3" HMI display options	• Mobile app enabled system for monitoring the system with 4.3" HMI display options

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Specifications

Power Supply	220 VAC, 50 Hz
Accuracy	5% of measured value
Response Time	90% in < 5 s
HMI Display Options	2 Lines, 8 Character LCD -HMI 4.3" Touch Screen - HMI
Retransmission Output Options	4-20 mA RS 485

The Cal+ Net Heat Output Calorie Meter Series is based on orifice type volumetric flow computation, with an algorithm programmed for mass flow & heat output computation. This series is the most efficient option for Thermic Fluid Heater heat output measurement. It is equipped with data logging & data storing capability.

Installation & Maintenance

- Install temperature reducers and other differential pressure transmitter with correct alignment
- Make use of appropriate temperature reducers for high temperature fluids
- Install control panel on comfortable height from ground. Direct subjection of steam, water & sunlight to be avoided
- UPS power supply is mandatory for the control panel if there's a considerable fluctuation of mains supply
- Follow installation manual judiciously for smooth installation & commissioning

Sr No.	Description	Order Code
1	Cal+ for Thermic Fluid Heater with 2 Lines, 8 Character LCD-HMI (<30 lkcal/hr)	Cal+ 1.1
2	Cal+ for Thermic Fluid Heater with 2 Lines, 8 Character LCD-HMI (<50 lkcal/hr)	Cal+ 1.2
3	Cal+ for Thermic Fluid Heater with 2 Lines, 8 Character LCD-HMI (<100 lkcal/hr)	Cal+ 1.3
4	Cal+ for Thermic Fluid Heater with 4.3" Touch Screen - HMI (<30 lkcal/hr)	Cal+ 2.1
5	Cal+ for Thermic Fluid Heater with 4.3" Touch Screen - HMI (<50 lkcal/hr)	Cal+ 2.2
6	Cal+ for Thermic Fluid Heater with 4.3" Touch Screen - HMI (<100 lkcal/hr)	Cal+ 2.3

Since 1986, Maxima Boilers has been one of the leading boiler manufacturers in India, focused on providing customers across the world with a wide range of steam solutions. Our Maxima Steam Works division offers complete steam solutions for your plant. Our product range includes:

Steam Boilers | Solid Fired Boilers | Small Industrial Boilers | Thermic Fluid Heaters | Hot Water Boilers Waste Heat Recovery Boiler | Steam Generators | Coil Type Boilers | Steam Accumulators | Pressure Reducing Stations | Temperature Control Systems | Thermodynamic Traps | Piston & Globe Valves Steam Traps | Condensate Recovery Systems | Pipeline Accessories | Efficiency Monitoring Systems Thermostatic Traps | Ball Float Traps | Pumping Traps | Automatic Blowdown Control Systems

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