

HOBO® MX-HEATPUMP Quick Start

The heat pump performance monitoring kit includes the typical components for measuring and transmitting heat pump data wirelessly. It is ideal for analyzing the operation of industrial heat pumps and identifying opportunities to improve energy efficiency.

Inside MX-HEATPUMP:

- MX1105 4-channel analog data logger
- SD-TEMP-20 20-foot self-describing temperature sensor (2)
- SD-TEMP-50 50-foot self-describing temperature sensor
- SD-CT-100 100 amp split-core current transformer

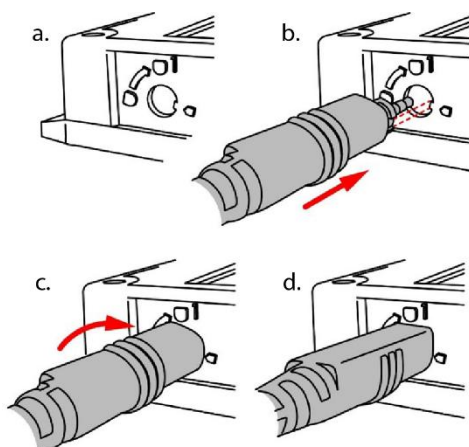
Getting started

Download and install the [HOBObconnect® app](#) on a compatible mobile device or Windows computer.

Connecting the sensors

To connect sensors to the logger:

1. Insert the sensor plug into an analog sensor port (a-b) on the logger then turn the plug one-quarter clockwise (c). The flat part of the plug is face-up when properly installed (d). Repeat for all sensors.

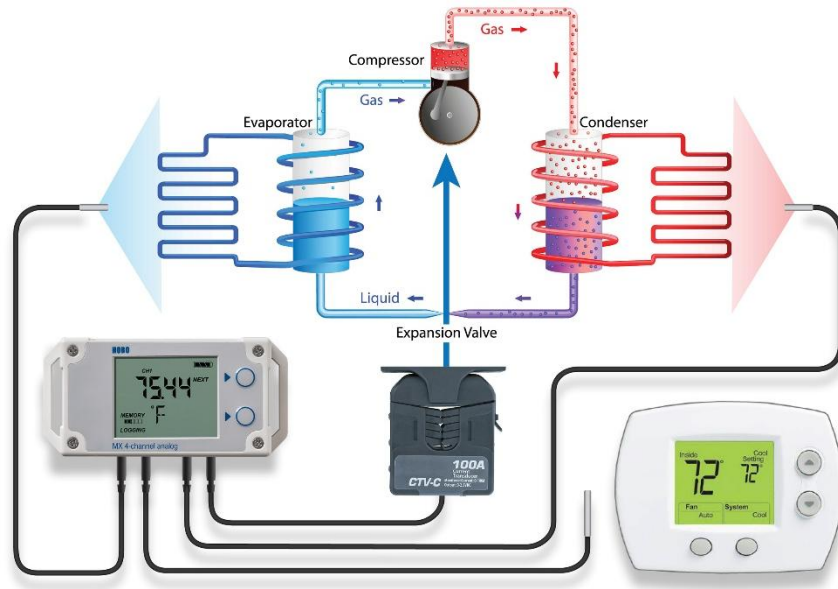


Configuring the channels

Set up the channel configuration for the heat pump performance monitoring kit if necessary. See the diagram (reverse side) for more information. If using the kit's self-describing sensors, the sensor type is automatically detected in HOBObconnect. For other external sensors, enable the channels in HOBObconnect.

Note: The sensor channel number is listed above the logger's analog sensor port where the sensor is connected.

- Channel 1: Connect sensor to the thermostat to monitor heat pump's response to indoor thermal conditions
- Channel 2: Deploy sensor at the heat pump outlet to measure discharge data on conditioned air delivery
- Channel 3: Connect sensor to the rear of heat pump unit to assess return air and reconditioning performance
- Channel 4: Connect AC current sensor to a split-core current transformer (CT) to monitor the compressor's electrical load during cooling cycles and correlate system operation to power consumption



For more information, scan the QR code or go to <https://www.onsetcomp.com/resources/documentation/getting-started-mx-data-loggers>.