

HARDWARE AT-A-GLANCE:

# ANALOG ADAPTER

(IoT HUB Accessory)



**YOUR MACHINES TALK.  
HERE'S HOW WE LISTEN.**



## APPLICATIONS:

- Pressure Monitoring
- Temperature Monitoring
- Energy Consumption
- Motor Current Analysis
- Speed Monitoring
- Object Detection
- Oil Quality Analysis
- Ultrasonic Monitoring

Now your IoT HUB can monitor nearly any common process signal, adding significant utility to your condition monitoring arsenal. The analog adapter **MEASURES VOLTAGE OR CURRENT SIGNALS**, allowing you to trend and alert these values in real-time, just like traditional vibration data.

## KEY FEATURES:

- Provides power for most types of transducers.
- Software selectable voltage or current input mode.
- Accepts 0-10 V, -10 to +10 V, and 4-20 mA signals.
- Configurable sampling frequency of 62 Hz-8192kHz.
- 4096-sample memory.
- 16-bit high-performance Analog-to-Digital converter.
- Internal temperature sensor.
- Operating temperature: -40 to 85°C (-40 to 185°F).
- Chemical-resistant polycarbonate alloy case with stainless steel cable entries.
- Standard M12 4-Pin A-coded Male connector offered.

### PLEASE NOTE:

Requires AC-powered Hub or +24V external power through Hub Trigger/Power port.

## WHAT IS THE IoT HUB?

The **SMARTdiagnostics IOT HUB** is the next generation of full asset health solutions designed to handle the **MOST COMPLEX ASSET MONITORING** needs. This includes: triggered collections, multi-functional sensor ports, and the ability to withstand higher temperatures with external power sourcing, using the optional wired power solution. **For more information on the IoT HUB, please reach out to the KCF Technologies Team!**

