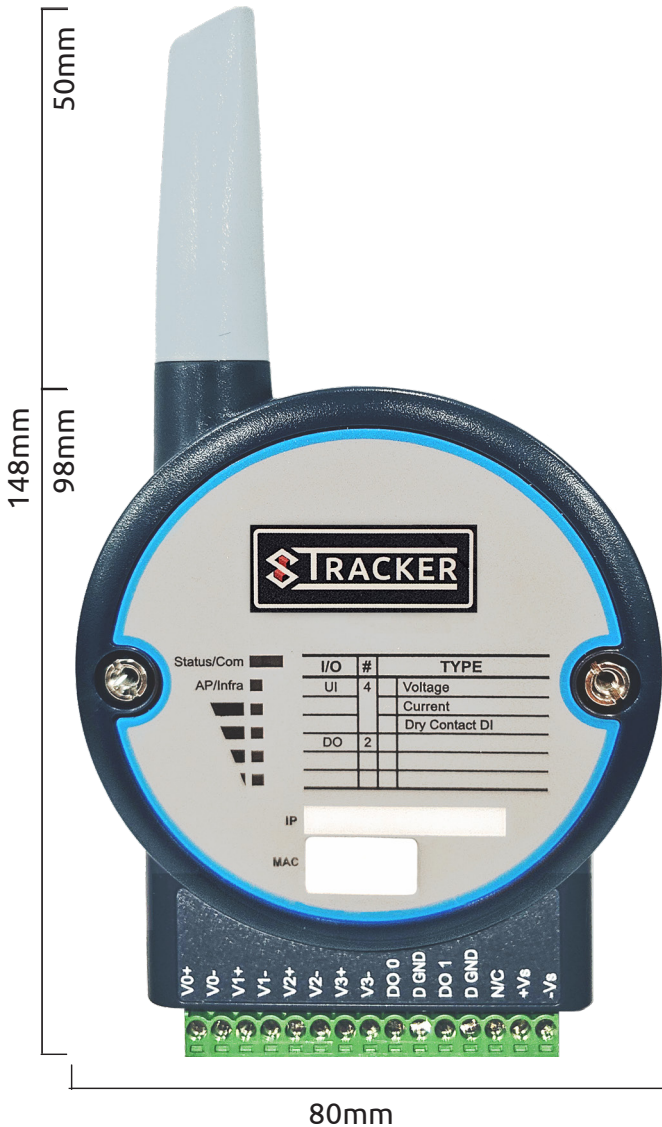# TRACKER

Collect More Data for Less

Simplify shop floor management with the Tracker!
The Tracker provides an economical and flexible data collection solution that requires no operator input.

50mm
98mm
148mm
80mm

TRACKER

Status/Com
AP/Infra

I/O	#	TYPE
UI	4	Voltage
		Current
		Dry Contact DI
DO	2	

IP
MAC

V0+ V0- V1+ V1- V2+ V2- V3+ V3- DO 0 D GND DO 1 D GND N/C +Vs -Vs

Features

- Cost-Efficient Standalone Device*
- Track any Machine
- No Operator Involvement
- Easy Installation
- Discrete device can be mounted anywhere

Analog Input
Pressure, Current, Humidity, Temperature

Digital Inputs
Counter, Scrap Counter, Run/Idle

Counters
The Tracker counter inputs can count up to 40 parts per minute.

Wi-Fi
IEEE 802.11 b/g/n 2.4GHz Wi-Fi

* Requires ShopFloorConnect

Buy Tracker.

Receive Tracker.

Connect to WiFi.

Set up Tracker.

Mount and Wire.

Start Tracking!

ShopFloorConnect, 100 Discovery Way, Unit 110, Acton, Massachusetts 01720 USA   Toll Free 1-800-586-8324

Universal Input

- Channels — 4
- Resolution — 16-bit
- Sampling Rate — Analog Input 10Hz (Total)
  Digital Input 2Hz (Per Channel)
- Accuracy — ±0.1% of FSR (Voltage)
  ±0.2% of FSR (Current)
- Input Type and Range
  Analog Input — ±150mV, ±500mV, ±1V, ±5V, ±10V, 0~150mV, 0~500mV, 0~1V, 0~5V, 0~10V, 0~20mA, 4~20mA, ±20mA
  Digital Output (Dry Contact) — 0: Open, 1: Close
- Input Impedance — > 10M Ω (Voltage)
  120 Ω (External resistor for current)
- Over Voltage Protection — ±35 V_{DC}

Digital Output

- Channels — 2
  (Open collector to 30 V, 400 mA max. for resistance load)
- Isolation — 3,000 V_{rms}

General

- WLAN — IEEE 802.11b/g/n 2.4GHz
- Outdoor Range — 110 m with line of sight
- Connectors — Plug-in screw terminal block (I/O and power)
- Watchdog Timer — System (1.6 second) and Communication (programmable)
- Certification — CE, FCC, R&TTE, NCC, SRRC, RoHS, KC
- Dimensions (W x H x D) — 80 x 148 x 25 mm
- Enclosure — PC
- Mounting — DIN 35 rail, wall, and stack
- Power Input — 10 ~ 30 VDC
- Power Consumption — 2.5 W @ 24 VDC
- Power Reversal Protection

Environment

- Operating Temperature — -25 ~ 70°C (-13~158°F)
- Storage Temperature — -40 ~ 85°C (-40~185°F)
- Operating Humidity — 20 ~ 95% RH (non-condensing)
- Storage Humidity — 0 ~ 95% RH (non-condensing)

Use Cases

- **Cryogenic Chamber Monitoring**: An SFC user has a series of freezers that must stay within a specific temperature range. A Tracker installed on each freezer is connected to a temperature sensor inside the chamber. If the temperature moves outside of the specified range, SFC will send an alert to a group of users.

- **Press Brake**: The SFC Tracker allows you to monitoring good bends on a Press Brake that occur over a time period such as a shift or day. This can give you important efficiency information without impeding the operator with the need to enter job information or downtime reasons.

Pin Assignment

ShopFloorConnect

ShopFloorConnect OEE is an on-premise data collection software that logs downtime and production efficiency data from every machine, ranging from CNC machines to presses, fabricating machines, and more. SFC displays data in real-time and produces indispensable manufacturing reports including detailed OEE reports in a variety of formats.