



PLUG-IN OEE SENSOR

Real-time OEE from any machine

A rugged plug-in sensor that counts a machine's output directly and streams it to live OEE - no PLC, no SCADA, no control-system project. It fits old and new equipment alike and is running the same day.



Any machine

Counts output directly through an isolated industrial input - no PLC or OPC-UA needed.



Live in a day

Power on, connect Wi-Fi, claim it with the code on the label. Data flows in minutes.



Wi-Fi or cellular

Reports over Wi-Fi or its own cellular link - never your machine network.



Secure by design

TLS-encrypted, hardware key storage, over-the-air updates.

HOW IT WORKS

The sensor detects each unit the machine produces and securely transmits it - over Wi-Fi or mobile network - to the Yieldly platform, where it becomes real-time OEE (availability × performance × quality, to ISO 22400-2), automatic stop capture and reporting, viewable on any phone, tablet or PC.

<p>1 isolated sensor input (M8)</p>	<p>24 V DC power in</p>	<p>Wi-Fi + optional cellular</p>	<p>IP67 sealed enclosure</p>
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TECHNICAL SPECIFICATIONS

Specifications



SNS - isolated sensor input (M8 female, 4-pin)

24V - 24 V DC power input

Status light - power, network & counting

RST - magnetic reset

General

Sensor input	1 × isolated digital input
Power input	24 V DC, center-positive
Enclosure	Sealed, IP67-rated polycarbonate
Status indicator	Multi-colour LED
Reset	Magnetic - no buttons to wear
Mounting	Surface / panel
Dimensions (approx.)	110 × 130 × 38 mm
Operating temperature	-40 to +85 °C

Sensor input

Compatibility	IEC 61131-2 Type 1 / 2 / 3
Sensor type	NPN or PNP (auto-detect)
Isolation	Galvanically isolated
Protection	Surge & transient protected
Counting	High-speed hardware pulse counter
Connector	M8 female, 4-pin (A-coded)

Power

Input	24 V DC
Protection	Reverse-polarity protected
Typical consumption	≈ 50 mA (Wi-Fi)

Connectivity

Wi-Fi	802.11 b/g/n, 2.4 GHz
Cellular (optional)	4G LTE Cat-1 + 2G fallback
Resilience	Counts buffered & back-filled on reconnect
Telemetry	MQTT over TLS
Onboarding	Captive-portal Wi-Fi + claim code

Security

Transport	TLS-encrypted
Key storage	Hardware secure element
Network	Never touches the machine control network
Updates	Over-the-air (OTA)

Built to standards

Industrial input	IEC 61131-2
Connector	M8 (IEC 61076-2-104)
OEE / KPIs	ISO 22400-2
Equipment model	ISA-95