

For your electrician and maintenance team

One sensor, one terminal, live within 48 hours.

Nothing is wired into your PLC and the line does not stop. This guide covers what to prepare, what arrives and the four checks that close the installation.

Before the kit arrives

Setup workbook (AF-09)	Three templates. Product: each product's rated speed, pulse factor, pack size and stop threshold. Stoppage Reason: the reasons operators choose from, up to four levels deep under nine headings: Breakdown, Changeover, Cleaning, No Production, People, Planned Maintenance, Quality, Reboot and Waiting. Operator: who uses the terminal, each with their own PIN. Add your shift and break times.
Terminal position	Beside the operator, where they work.
Sensor position	On the bottleneck, where it can see product pass.
Power	A 220 V supply on its own 2 A breaker, so the unit can be isolated.
Site assessment	No visit needed. Videos, photographs and a line layout from someone on site confirm where the terminal and sensor go.

Choose the network

OPTION	WHAT IT NEEDS
4G, built in	Nothing from your plant network. Augos supplies a data SIM at no cost.
Ethernet	Cat 5 cable to your access point. DHCP by default, or a fixed IP if you prefer.
Wi-Fi	Dual-band, 2.4 or 5 GHz, with your IT team's sign-off.

On your own network, IT allows the terminal to reach the Augos platform and a time server: platform hostnames on ports 80 and 443, NTP on port 123. Firewall allow-list: *Supplied with your kit.*

What is in the box

- ✓ The Augos Operator Terminal, in its stainless-steel enclosure
- ✓ Three compression glands for the cable entries
- ✓ The photoelectric pulse sensor with its cable, bracket and reflector

Gland sizes	<i>Available on request</i>
Mounting dimensions	<i>Available on request</i>
Ratings	Terminal IP65, sensor IP67

The installation, step by step

- 1 **Mount the terminal**
Where the operator works, on a wall or a line-side stand. Run the cables through the enclosure's cable entries.
- 2 **Your electrician connects power**
A 220 V supply on its own 2 A breaker. Connect the network you chose, or rely on the built-in 4G.
- 3 **Mount the sensor at the bottleneck**
Fit it with its bracket and reflector, then wire it into one of the terminal's pulse inputs. Nothing is tapped into your PLC.
- 4 **We load your rules over the air**
Augos sets up your products, stop reasons and operators from the workbook. This can run while the hardware is still being mounted.

Other sensors

The standard sensor is a polarised retroreflective photoelectric sensor that suits most lines. A proximity or rotational sensor works too, or a sensor you already own with a PNP output.

Acceptance checks

CHECK		PASSED
1	The terminal powers up without errors	☐
2	The network diagnostic on the terminal passes	☐
3	The sensor counts passing product	☐
4	Every cable is secured and glanded	☐

Installed by: name _____ Signature _____ Date _____

Accepted for the site: name _____ Signature _____ Date _____

What happens next

Two days on site

Training and go-live, after the installation. Included in the R19,500 deployment fee, ex VAT.

Nothing to maintain

Configuration and firmware are pushed from the platform, with no site visit.

- ✓ Operators learn the terminal on their own line, usually in one or two shifts
- ✓ Managers and users learn the reports and how to run a review off them
- ✓ Support stays remote: diagnostics, configuration changes, new products and firmware updates