

Wireless Manual Pulse Generator

5-axis • 50 m

Five-axis handwheel that sends its pulses over a 50 m radio link to a receiver wired into the machine's existing MPG input, so the operator can stand where the cut is visible.

	AXES 5	RANGE 50 m
	CABLE None	WARRANTY 1 year

HOW IT WORKS

A manual pulse generator is a detented encoder. Each click emits one quadrature pulse pair, and the control counts those pulses as increments of the selected axis at the selected step size. Nothing about that changes here: the handwheel, the axis selector and the ×1 / ×10 / ×100 multiplier work exactly as an operator expects.

What changes is the link. The pendant transmits over a radio link to a receiver that wires into the machine's existing handwheel input, so the control still sees a conventional MPG. Range is 50 m, which covers the machine and the space around it on a normal shop floor.

Removing the cable removes the failure it causes: a trailing lead that catches on fixtures, gets crushed under a pallet, or fails intermittently at the strain relief. It also lets the operator move to where the tool and workpiece are actually visible during setup and first-part proving.

SPECIFICATION

Type	Wireless manual pulse generator, handheld pendant and receiver
Axis control	5-axis
Wireless range	50 m
Interface	Machine's existing manual pulse generator input, via the supplied receiver
Controllers	Fanuc • Siemens • Mitsubishi Electric • Fagor • Heidenhain
Warranty	1 year
Safety functions	No emergency stop and no enable (deadman) switch on the pendant. The machine's own safety chain is unchanged by fitting it.

Power

Standard AA batteries, user-replaceable. Roughly 30+ days on a set, depending on usage.

WIRELESS MANUAL PULSE GENERATOR

AMAG-DS-MPG-01 · SELECTION & ORDERING

MODEL SELECTION

MODEL	AXES	RANGE	DESCRIPTION
Standard	5	50 m	5-axis wireless handwheel and receiver

The pendant is common to all supported controls; the receiver and its wiring are configured for the control you name on the order.

DIMENSIONS Ask us for pendant and receiver dimensions if the receiver has to go inside a full electrical cabinet.

APPLICATIONS

CNC machining centres
CNC milling and turning machines
Large-format CNC routers
Shop floor setup and first-part proving
Any machine where the operator needs to move to see the cut

SYSTEM PAIRING

Fanuc · Siemens · Mitsubishi Electric · Fagor · Heidenhain controls
Existing MPG wiring (the receiver takes the same input)
Spare pendant for a second machine on the same cell

CHECK BEFORE ORDERING

Name the control and its model on the order. The receiver wiring differs between platforms and is not a field change.

Confirm the machine has an MPG input available. A machine already using its handwheel input for a panel-mounted wheel needs that input freed or switched.

50 m is line-of-sight on a normal shop floor. Dense metal enclosures and heavy welding activity nearby will shorten it.

ORDER THIS PART

+91 73976 31796

WhatsApp the model code.

EMAIL & WEB

mail@amagcnc.com
amagcnc.com

WARRANTY

One year against manufacturing defect from date of invoice.

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