

UG-10

Woodward UG-10 MAS Governor

Product configuration

UG-10 is a mechanical-hydraulic governor with a 4–20 mA electronic speed-setting system.

Technical data

Parameter	Published value
Speed-setting signal	4–20 mA
Driver supply	24 Vdc nominal; 18–32 Vdc
Speed range	375–1500 rpm
Input shaft	Keyed or 5/8–36 serrated
Rotation	Clockwise or counterclockwise
Oil sump	1.9 L (2 US qt)
Governor weight	23 kg

Applications

- Controlling propulsion prime movers through remote speed setting.
- Governing locomotive, pump, or compressor drives.
- Adding a milliamp speed command to a UG-10 mechanical governor.

Engineering guidance

Configuration

- Signal: 4–20 mA sets the requested speed
- Range: Adjustable governing range covers 375–1500 rpm
- Manual: A local control knob provides manual speed setting

Installation

- Drive: Choose keyed or 5/8–36 serrated input shaft
- Rotation: Configure clockwise or counterclockwise rotation
- Cable: Keep driver-to-governor wiring within the manual guidance

Performance

- Hydraulics: Self-contained 1.9 L oil sump
- Speed ramp: Ramp setting is adjustable
- Backup: Mechanical-hydraulic governing remains integral to the assembly

Lifecycle and supply

OEM lifecycle status: Active / Available from OEM

Apter Power supports UG-10 quotation, official-reference review, sourcing, and UG Governor integration planning.

Manufacturer source reference

Woodward Product Specification 03389 and Manual 26598

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