

# PWM Hydra System



## APPLICATIONS

Equipping hydraulic cranes



## DESCRIPTION

The electrohydraulic PWM Hydra System servo cylinders, together with the ZEUS and THOR radio controls, can be used to control most of the hydraulic cranes on the market that have only manual controls. The electro-hydraulic circuit of the actuators is completely independent of the crane's hydraulic circuit. The control unit only switches on when the machine's controls are activated, which allows for low operating temperatures, minimising unnecessary energy wastage and wear and tear over time.

The installation of the system does not require any welding, leaving the original structure of the machine intact. The IMET actuators are tuned via the radio control transmitter once the installation is complete. In addition to the IMET PWM actuators and the electro-hydraulic control unit, the supply package includes the electrical wiring for the actuator/control unit and radio control/actuator connection, fixing brackets, fittings and connection pipes to the control unit.

## TECHNICAL SPECIFICATIONS

### Electro-hydraulic power station

Dimensions : 330 x 130 x 160 mm

Supply voltage : 12 or 24 Vdc

Operating pressure : 12 bar

Operating ambient temperature : -20°C to +70°C

Tank capacity : 0.5 Liter

Dry weight : 5.2 Kg

### IMET hydraulic PWM actuator

Type of control : PWM à 80 Hz

Dimensions : 210 x 38 x 138 mm

Coil resistance at 20°C : 5.5 Ohm

Optimum operating pressure : 10-15 bar

Maximum operating pressure : 30 bar

Maximum stroke : 26 mm (+-13 mm)

Maximum stroke optional : 40 mm (+-20 mm)

Standard centre distances : 38, 42, 44, 46, 48, 50 mm

Standard functions : 4-8

Weight (single module) : 1.5 Kg

## OPTIONS

- Serial connection (15m) allows a wired link between the transmitter and the receiver
- By-Pass valve

## SUPPLY KIT

- IMET PWM Actuator Group
- Electro-Hydraulic Power Plant
- Electrical Connction
- Fixing brackets
- Fittings and tubes for connection to the control unit