

...no limits of application!



History...

IMET was founded in 1988 and is without doubt one of the pioneering companies in the development and manufacture of radio remote controls. The first prototypes of radio remote control systems appeared on the market by the end of the 1980's spreading initially in the fields of construction cranes and concrete handling.

Within the next few years and as a consequence of the increasing importance of productivity and safety in the industrial and construction fields, the demand of radio remote control systems increased massively and **IMET**, thanks to the dynamism and high level of technical competence of its staff along with its constant bent towards a technological innovation process, has gained a prominent position on all national and international markets.

Today...

...IMET can boast a very wide and articulate range of products, able to suit the majority of different requirements inside the industry and construction field and much more. In addition to the standard models, which have been designed for the most traditional application fields, such as construction cranes, bridge cranes and many others, IMET places at the disposal of its customers a staff of technicians, specialised in the design and creation of customised models of radio remote controls, according to the customer's specific requirements...with no limits of application.





RESEARCH, DEVELOPMENT AND SAFETY

IMET radio remote controls have always distinguished themselves with their extreme reliability attained through the use of high quality materials, combined with intense research and extensive product testing. This has resulted in the achievement of safety standards of category 2/PL c and 3/PL d for all movement commands and category 4/PL e for the STOP circuit (EN 954-1/EN 13849).

PRODUCTION

IMET radio remote controls are totally designed and assembled in-house and also subjected to a series of intermediate quality control and final testing, in order to assure quality and reliability. It is this level of hands on control which has enabled IMET to gain the quality mark UNI EN ISO9001: 2000.









...no limits of application!

The extremely large range of transmitters and receivers allows IMET to solve many applications within the construction and industrial fields without deviating from the standard range of products. The pushbutton WAVE family has been specifically designed for the optimal control of hoists, overhead travelling cranes, tower cranes and, generally speaking, on/off controlled machines; the waist belt transmitter families are addressed to the vast world of joystick controllable machines whether they are proportional or on/off types. The control panel of the ZEUS models can accomodate up to 2 double axis joysticks (B2) or 6 single axis joysticks (M6) in addition to several commands by means of push buttons, selector or rotary switches and potentiometers; **The THOR** waist belt transmitter family extends furthermore the range of possibilities. The large space available on its control panel allows for up to 4 double axis joysticks (B4) or 8 single axis joysticks (M8) in addition to a huge number of push buttons, selector or rotary switches and potentiometer commands; The fixed transmitter M8, designed for Din rail mounting, can be applied in all situations where on/off and proportional commands generated by sensors or RS 232/485 ports, are required to be wirelessly transmitted to a control station. **The receiver** range is based on 4 models L, H, M and K providing a range of product capable of satisfying most requirements in terms of number of on/off and proportional outputs required. All M550 series families can be enhanced by the addition of a data feedback option, allowing machine status information to be displayed, on LCD or LED screens.

IMET products are designed in respect of **the highest safety standards**: CAT4/PL e (EN 954-1/EN 13849) for the STOP circuit, and CAT3/PL d and 2/PL c for the movement commands. The concepts of "redundancy", "cross –check", "self-checking" and "periodic monitoring" are present in every single product part where safety is important. All this brings IMET to a leading position within the industry in active and passive safety care.

























All important and critical parts of a radio remote control system are fully designed and manufactured in-house at IMET. This includes complex components such as the optical joysticks, the simplex and half-duplex radio modules, the SMD boards and even the PWM electro-hydraulic actuators "Hydra system". The mastery of the radio know-how together with the use of cutting edge technologies enables IMET to control and manage every single aspect of the manufacturing process. Two key words have always been a guide for IMET growth: Quality and flexibility, with no compromise.

The great autonomy granted by the **Ni-MH batteries** allows the continuity of works and operations.

Transmitters and receivers with standard protection rating of **IP65** are manufactured in composite material (nylon charged with fiber glass) with high shock-resistance, thermal and mechanical stability, environmental and chemical exposure resistance. All of these features combine to provide a product capable of giving many years of continuous operation in harsh working conditions.

The electronic boards are coated with a special protective synthetic film for improving the resistance to humidity, chemical agents and vibrations.

All **IMET** portable transmitters are equipped with a supply magnetic key that limits the use of the radio control only to authorized personal.

Data feedback: the "half-duplex" radio technology combined with an "input interface card", where both on/off and proportional inputs are available, fitted in the receiver, enables information to be sent back to the transmitter from the machine sensor's. This feature is available with the pushbutton WAVE, the waist belt ZEUS/THOR and the fix-Din transmitters, in all cases data is displayed on an LCD or LED display. In addition, the fix-Din mounting transmitter can receive on/off commands from the data feedback channel and activate them with 16 relays.

M550 WAVE S

M550 WAVE L



The pushbutton radio type M550 **WAVE S** range is available with 4, 6 or 8 double-step pushbuttons for the movement commands. In addition, and always present is a Start/ Klaxon button and a STOP mushroom-head button. The radio remote also has space for one optional command which can be a multi-position rotary switch, a single-step button or an analogue potentiometer. **IMET** have paid special attention to the ergonomic design of the **WAVE** transmitter bearing in mind the practical aspects of compact overall size, large pushbuttons suitable for operations with gloves, easy access and protected STOP button. This make the **WAVE S** an ideal tool for the control of hoists, overhead cranes and small tower cranes. The possibility of customisation extends the possible uses of this type of transmitter to a large variety of machines equipped with on/off control boxes whether AC or DC powered.















The pushbutton radio M550 **WAVE L** range is available with either 10 or 12 doublestep pushbuttons for the movement commands in addition to the standard Start/Klaxon button and STOP mushroomhead button. The model M550D WAVE **L10** can be equipped with a 8+8 digit LCD screen for the displaying of machine status information (using data feedback option). As with the **WAVE S**, the transmitter has space for an optional command which can be a multi-position rotary switch, a singlestep button or an analogue potentiometer. This makes the **WAVE L** a natural choice for the control of overhead cranes equipped with additional functions such as auxiliary hoist, grabs, magnets, etc. and medium size tower cranes. The possibility of customisation again extends the possible uses of this type of transmitter to a large variety of machines equipped with on/off control boxes whether AC or DC powered.













Dimensions 75 x 43 x 180 mm Weight 375 g





























M550 ARES E

The **ARES C** is an extremely compact transmitter designed for applications requiring a limited amount of digital and analogue functions operated by toggle switches, pushbuttons, rotary switches and potentiometers such as forestry winches, pumps and many other machinery. ARES C puts great attention to the easiness of use, including the situations in which the operator wears gloves, thanks to the well dimensioned command actuators and their rational spacing. For the carrying, the housing is equipped with a robust beltclip. ARES C features a STOP command in category PLc/CAT2 (ISO 13849:1), SIL1 (IEC 62061) and it can be combined with any of IMET receivers, for delivering on/off, proportional or CAN outputs according to the machine specifications. **ARES** housing have been designed to operate in the most demanding sectors as indicates the **IP65** protection degree.



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M550 ARES C



Dimensions 75 x 180 x 43 mm

Weight 375 g





Dimensions 75 x 180 x 43 mm

Weight 375 g





The **ZEUS B2** transmitter combines the advanced ergonomic design and functional features required in standard application fields such as tower cranes, factory cranes, small concrete pumps, high pressure and vacuum pump vehicles and any other kind of machine for witch double-axis joysticks represent the ideal type of movement command.

The **ZEUS B2** console has a compact size but nevertheless it reserves ample space for on/off and proportional commands making it an easily customisable transmitter for special applications.























The **ZEUS M6** transmitter utilises the same transmitter body as the B2, combined with specially designed proportional joysticks for applications such as hydraulic proportional cranes, telescopic handlers, crawler vehicles and any other kind of machine for witch single-axis joysticks represent the ideal type of movement command. The **ZEUS M6** console has a compact size but again, reserves plenty of space for additional on/off and proportional commands making it an easily customisable transmitter for special applications







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Dimensions 212 x 133 x 147 mm 212 x 169 x 147 mm

Weight 1090 g





Dimensions 296 X 152 X 147 mm 296 X 190 X 147 mm

Weight 1450 g





M550 ZEUS NJ

The transmitter **ZEUS NJ** has been developed for use with high complexity machines where proportional potentiometers, push-buttons and selector switches represent the ideal types of movement commands. The spacious console has room for a large number of commands making **ZEUS NJ** flexible and customizable for complex AC and DC powered applications.









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Dimensions 212 x 133 x 147 mm 212 x 169 x 147 mm

Weight 1090 g





M550 THOR B3

The **THOR B3** transmitter has been designed for use with a vast range of complex and high integrity machines, such as, 4-5 booms concrete pumps, full accessory equipped factory cranes, 6 functions hydraulic cranes, special tower cranes, drilling and tunnelling machines. In addition to the 3 double axis joysticks, the extra wide **THOR** console has capacity for several on/off and proportional commands making it an easily customisable transmitter for special applications whether AC or DC powered.















Dimensions 296 X 152 X 147 mm 296 X 190 X 147 mm

Weight 1450 g



M550 THOR B4

The **THOR B4** transmitter is similar to the B3, but with the addition of a fourth, double axis joystick. This makes it an ideal system for High Integrity factory cranes, 7-8 functions hydraulic cranes, crawler lifting machines and other special machines. In addition to the 4 double axis joysticks, the **THOR** console has space available for several on/off and proportional commands making it an easily customisable transmitter for special applications whether AC or DC powered.









Dimensions 296 X 152 X 147 mm 296 X 190 X 147 mm

Weight 1550 g



M550 THOR M8

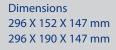
The **THOR M8** transmitter is equipped with up to 8 single-axis joysticks and is specifically designed for machines moved by proportional electrohydraulic valve banks such as, 7-8 functions hydraulic cranes, crawler lifting machines and other special machines. In addition to the 8 single axis joysticks, the very wide **THOR** console has room for several on/off and proportional commands making it an easy to customise the system for complex DC powered applications.











Weight 1450 g











Dimensions 296 X 152 X 147 mm 296 X 190 X 147 mm

Weight 1400 g





M550 M8

The **M8** transmitter is designed for mounting on a DIN rail, and is the ideal solution for applications requiring wireless transmission for on/off and/or proportional commands coming from sensors or RS485 port.

The DIN rail mounted transmitter should be placed inside a control box for clean and trouble free installation, and is supplied complete with an external antenna for the radio communication. In addition to the 21 on/off + 4 proportional commands, Start, Stop and Frequency Change input are available as for traditional radio control commands.

The double transmission version can manage the feedback information displaying it on a LCD screen or activating some transmitter built in relays.









Dimensions 180 x 120 x 73 mm

Weight 910 g





...NO LIMITS...







SAFETY RING

IMET introduces an innovative "zone limiter" based on ultrasonic technology. The system creates a 3D ultrasonic zone around the machine by mean of sensors placed in appropriate positions. Colored status led's builtin the transmitter continuously indicate the operator's position in relation to that zone. The radio remote control working mode can then be conditioned to its position; for example some commands may be active outside the zone and inhibited inside the zone.







GREEN LED ON = the operator is inside the safety ring.

FLASHING GREEN LED = the operator is moving out of the safety ring.

RED LED ON = the operator is outside the safety zone.





ATEX certified Receiving Unit

Group II

Electrical apparatus for other places liable to be endangered by explosive atmospheres.

Category 2: High level of protection

Comprises products designed to be capable of remaining within their operational parameters in areas in which explosive atmospheres caused by mixtures of air and gases, vapours, mists or air/dust mixtures are likely to occur

Protection system against gas and dust

Equipment remains energised and functioning in Zones 1, 2 (G) and/or 21, 22 (D)

Temperature class 85°C

The receiver is completely protected against dust and water jets (IP66); Housing ready for 1" cable guide IOS7/1RC et 3/4" IOS7/1RC shield for shielded cable with specification: ATEX Ex II2GD Exd II C IP66; Range, without obstacles, 70m.



DATA FEEDBACK

This option enables the indication of crane or machine information, error messages and warnings on the control panel ensuring a higher level of safety and operating comfort.

Graphical display

Backlit, 128X64 pixel resolution, most feedback information available, texts. legends.



Cable control (radio by pass)

ZEUS and THOR units can be equipped with cable control. By plugging in the cable a direct data connection between transmitter and receiver is established. The radio transmission is disabled and the power supply of the transmitter is provided through the cable.

Dynamic Speed Control DS



Dynamic Speed Control introduces an extra control of the proportional functions when operating in "slow speed" mode. DSC+ and DSC- activations adjust the basic settings in order to adapt the machine response to the specific working conditions. DSC is useful especially for those machines equipped with an hydraulic distributor that is not pressure compensated.

Multi Transmitters Receivers configurations



This option is the answer for those applications demanding some machines to be shared by several operators through a safe procedure of "loggin-in" and "loggin-out". In an MTRS system, the receiving units can be logged-in and logged-out by up to 8 different transmitting units. On the other side, each transmitter can operate with up to 16 different receivers. MTRS and MTRS Easy options are available with the complete range of IMET transmitters and receivers.

OPTION...



This option ensures that the operator can only start the desired crane. A directional infra red link has to be established between the crane operator and a dedicated receiving device. Only at this point, the radio receiver "Start" command will be authorized.

TILT SENSOR

This dual-axis inclination sensor can be placed inside the transmitting box and interfaced to its logic card in order to implement a "dead man" function. Typically, an inclination of 60° lasting more than 2s, will bring the radio control system to passive emergency status. The angle of intervention is customizable according to the application requests.

High resolution graphics

Thanks to modern printing technologies, IMET is able to customize the lay-out of your consoles delivering high resolution multicolor graphics and legends.

CERTIFICATIONS

IMET achieved along the years many important steps regarding the company certification, quality mark **UNI EN ISO 9001** since 1998, and the product certification, **PL e** (ISO 13849-1), **CAT4** (EN 954-1), **SIL3** (IEC 62061).

Safety functions: Stop:

Joystick controls: Selector controls: PL e, cat. 4 / SIL 3 PL d, cat. 3 / SIL 2 PL c, cat. 2 / SIL 1

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RECEIVING UNIT IN G UNIT

IMET transmitting units can be matched to 4 models of receivers. The **L** and **H** types have IP65 housings, for outdoor installation, while the **M** type features a housing ready for Din rail mounting inside the machine electric control box. The M550 **K** receiver, which also features a protection level of IP65, is dedicated to machines controlled by **CAN BUS** network. The available IP65 receiver output connections are: cable clamp, multipole connector fixed on the box, external wiring and multipole plug for connection to the machine. The **M** type receiver is equipped with a terminal block output connector. All **IMET** receivers have a Category 4/PL e STOP circuit, and the presence of the Safety-Stop relay adds one level to the category of the movement commands reaching CAT2 and 3/PL d (not valid for bus commands). LED Lights, visible from outside the receiver indicate the system status. The special composite material used for the housings provides a high level of shock resistance and thermo-mechanical stability.

The **M550 L** is the most common receiver for standard applications, its compact size and high versatility make it ideal for situations where space constraints are an issue. It is the natural receiver type for on/off application in VAC and VDC and for standard application requiring proportional outputs in VDC such as hydraulic cranes. The LAC receiver accepts a wide range of supply voltages (24÷230VAC) and it is equipped with 20 relays for the movement commands in addition to the Start, Stop and Safety Stop outputs. The LDC receiver can be supplied with 12÷28VDC. It is available in two versions: with 16 relays for the movement commands or with 20 solid state on/off + 8 proportional outputs for the movement commands in addition to the Start, Stop, Safety Stop and Timed Stop outputs.

The **M550 H** receiver is ready for the most complex configurations. Its modular structure allows it to be equipped it with up to 48 relays or 38 relays + 8 proportional outputs in addition to the Start, Stop, Safety Stop and Timed Stop outputs. The data feedback option is guaranteed by mean of half-duplex radio modules.

This receiver is the common partner for transmitting units having a large number and variety of commands. The HAC receiver can be powered with 24 to 230VAC while the HDC accepts 12 to 28 VDC.

The **M550 M** receiver has been developed for Din rail mounting inside electrical control panels. The outputs are available on practical extractable terminal blocks. This kind of receiver has 21 relays + 4 proportional outputs. It can be equipped with half-duplex radio modules for the data feedback option. M550 M is supplied with an external antenna plugged on BNC connector. The power supply can range between 12 and 28 VAC/DC.

The **M550 K** receiver is equipped with a field bus output, CAN type, for the movement commands. The CAN bus output is directly coupled to the machine bus network and the communication is established trough a specific protocol. Traditional relay outputs are present for Start, Stop, Safety-Stop and Timed-Stop functions.

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The M550 K receiver can be DC powered (12÷28VDC).



M	L/K	Н
Dimensions	Dimensions	Dimensions
180 x 120 x 73 mm	145 x 225 x 65 mm	205 x 280 x 130 mm
Weight	Weight	Weight
910 g	1700 g	3500 g

-	-
_	7
_	•

Number of P.L.L. programmable radio channels30Range≈ 100 m			
- 			
Modulation GMSK			
Emission power of the R.F. system 10 mW ERP (Antenna Interna)			
RF receiver type Supertherodine IF 83.16 MHz - 455 K	KHz*		
Receiver sensibility 0,22µV per 12 dB Sinad			
Emission class 25K0F1D			
Hamming distance ≥9			
Error non-detection probability < 7.34 x 10 ⁻¹²			
Delay time on receiver start <3 s			
Available pairing addresses 65536			
Delay time on the start command < 750 ms			
Response time of commands < 110 ms, < 120 ms*			
Response time of active emergency < 150 ms, < 220 ms			
Response time of passive emergency < 800 ms			
	PLe cat.4/SIL3 (ISO 13849-1/EN 62061) A-W-Z-T / PLd cat. 3/SIL 2 (ISO 13849-1/EN 62061) M		
Safety category of movement commands PLd cat. 3/SIL 2 (ISO 13849-1/EN 62061) T-Z / PLc cat. 2 /SIL 1 (ISO 13849-1/EN 62061) T-Z / PLC cat. 2 /SIL 1 (ISO 13849-1/EN 62061) T-Z / PLC cat. 2 /SIL 1 (ISO 13849-1/EN 62061) T-Z / PLC cat. 2 /SIL 1 (ISO 13849-1/EN 62061) T-Z / PLC cat. 2 /SIL 1 (ISO 13849-1/EN 62061) T-Z / PLC cat. 2 /SIL 1 (ISO 13849-1/EN 62	PLd cat. 3/SIL 2 (ISO 13849-1/EN 62061) T-Z / PLc cat.2 /SIL 1(ISO 13849-1/EN 62061) A-W-M		
Safety category of PLc cat. 1 / SIL 1 (ISO 13849-1/EN 62061)			
datafeedback commands			
Datafeedback ready YES			
Operation and storage temperature $-20 \div +70^{\circ}\text{C}, (-4 \div 158^{\circ}\text{F})$			
	Ares C / E		
Max. quantity of ON/OFF direct commands 32 165-24L-20L* 32	16		
Max. quantity of ON/OFF direct commands32165-24L-20L*32Max. quantity of ON/OFF undirect commands484848	16 48		
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I.S.M Band 434.050 ÷ 434.775 MHz

ETSI EN 300 220-3 V 1.1.1

25 KHz Simplex, (25 KHz Half Duplex)*

General data Working frequency

Reference norms

Channel spacing

Receiving Unit	M550 H	M550 L / K	M550 M
Service commands	Start, T-Stop, Horn, Blink	Start, (Horn, T-Stop)***	Start, Horn, Blink
Safety commands	Safety-stop, Stop	Safety-stop, Stop	Safety-stop, Stop
Max. quantity of ON/OFF command (NO)	48	20	21
Max. quantity of analogue command	8	8	4
PWM analogue output	0 ÷ 1,4 A max	0 ÷ 1,4 A max	/
Analogue output with loop of current	0 ÷ 20 mA 4 ÷ 20 mA	0 ÷ 20 mA 4 ÷ 20 mA	0 ÷ 20 mA 4 ÷ 20 mA
Analogue output in tension	min 25% Vcc med 50% Vcc max 75% Vcc	min 25% Vcc med 50% Vcc max 75% Vcc	min 25% Vcc med 50% Vcc max 75% Vcc
Analogue output in tension	0 ÷ (Vcc-3) reg.	0 ÷ (Vcc-3) reg.	0 ÷ (Vcc-3) reg.
Housing protection degree	IP65	IP65	/
Housing material	charged Nylon	charged Nylon	ABS
Datafeedback ready	YES	YES	YES
Input ports*	Serial, parallel	CAN, Serial, parallel	Serial, parallel
Max quantity of digital inputs*	8	8	11
Max. quantity of analogue inputs*	4	4	4
Supply tension Vac	24, 48, 55, 110, 230	24, 48÷55, 110, 230	12 min - 28 max
Supply tension Vdc	12 min - 28 max	12 min - 28 max	12 min - 28 max
Power demand	20 W max	15 W max	15 W max
-			

Battery charger	CB5000 Wave	CB3600 Zeus / Thor
Supply tension	12 min - 32 max Vdc (optional 230 Vac)	12 min - 32 max Vdc (optional 230 Vac)
Power demand	250mA DC, 35mA AC, (while charging)	250mA DC, 35mA AC, (while charging)
Charging current	≈ 550mA	≈ 600mA
Max. charging time	3 hours	3 hours
Charge type	PVD	PVD
Housing protection degree	IP30	IP30
Storage temperature with loaded battery	+5 ÷ + 45°C (+41 ÷ +113°F)	+5 ÷ + 45°C (+41 ÷ +113°F)
Storage temperature off and without battery	-20 ÷ +70°C (-4 ÷ +158°F)	-20 ÷ +70°C (-4 ÷ +158°F)
Dimensions (L.P.H.)	75x49x142 mm	75x49x156 mm
Weight	250g	251g
Weight with 230Vac transformer (optional)	490g	491g

M= Transmitting unit M8

W= Transmitting unit Wave Z= Transmitting unit Zeus

T= Transmitting unit Thor

A=Transmitting unit Ares E * Datafeedback version ** Only for data acquisition *** DC

The actuator hydraulic circuit is totally independent from the crane hydraulics, hence avoiding oil-sharing problems that can arise due to the presence of dirt in the crane oil compromising the regular working of the actuator pistons.

The power pack works only "on demand", when movements are operated from the transmitter, granting low stress conditions and reducing all energy wastes.

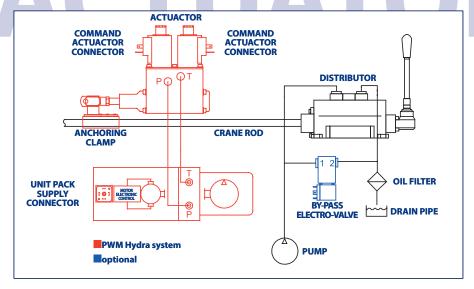
The calibration of every single actuator can be performed via radio directly from the transmitter. The Hydra system kit is comprehensive, and consists of: block of actuators, power pack, wiring between receiver/actuators/power pack, rod clamps, hydraulic pipes.



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Hydraulic Actuator

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Pilot system	PWM a 80Hz
Coil resistance by 20°C (68°F)	5,5 Ohm
Absorption by 27 Vdc	170 ÷ 620 mA
Absorption by 13,5 Vdc	300 ÷ 1250 mA
Operating room temperature	-20°C ÷ +70°C (-4°F ÷ 158°F)
Max. stroke	26 mm (±13mm from the centre)
Max. stroke optional	40 mm (±20mm from the centre)
Thrust and traction force by 12 bar	600N
Optimum operation pressure	15 ÷ 20 bar
Max. available operation pressure	30 bar
Connectors of hydraulic circuit	1/4" Gas
Dimensions (L. P. H.)	210 x 38 x 138 mm
Weight (single module)	1500 g
Standard interaxe	38, 42, 44, 46, 48, 50 mm
Standard functions	4÷8

Electrohydraulic Power Pack

Electronydraulic Power Pack		
Absorption by 27 Vdc	4,5A	_
Absorption by 13,5 Vdc	9A	
Supply tension	12 o 24 Vdc +20% -10%	
Working pressure	18 bar 27 Vdc - 16 bar 13,5 Vdc	
Working room temperature	-20°C ÷ +70°C (-4°F ÷ 158°F)	
Tank capacity	0,5 litres	
Connectors of the hydraulic circuit	1/4" Gas	
Dimensions (L. P. H.)	305 x 120 x 160 mm	
Dry weight	4850 g	















TRANSMITTERS FOR **HYDRA SYSTEM**

ZEUS M and THOR M transmitters. equipped with single axis joysticks, are particularly suitable for controlling Hydra system. The biaxial joystick versions can also be used.

applications. The actuator piston stroke is +/- 13 mm making it suitable for use with the vast majority of the hydraulic distributors on the market. For those special cases demanding a larger rod stroke up to 20 mm, a stroke-extension kit is available. Thanks to dedicated mechanical adapters, it is possible to interface the actuators directly with one side of the manual valve bank (available for Walvoil SD6, SD8, Galtech and Parker). This configuration requires removal of the rods.











RECEIVERS FOR HYDRA SYSTEM

LDC and HDC receivers are suitable as they feature VDC powering, PWM proportional outputs and IP65 protection for outdoor use.



ROD CLAMPS

The actuators transmit the mechanical movement to the rods through clamp on adaptors. No welding required.



COMPREHENSIVE WIRING

A user friendly wiring kit comes ready with each system in order to facilitate all the electrical connections between receiver/actuators/power pack. A practical key-switch allows the operator to select the operation mode (RC, Off, manual).



HYDRAULIC TUBES AND PIPES

Tubes and pipes are supplied for all hydraulic connections between the actuator block and the power pack.



POWER PACK

An electro-hydraulic pump that works only "on demand" supplies the oil to the actuators rendering the Hydra system totally independent from the machine oil circuit.





OPTIONALS AND ACCESSORIES

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The serial cable option (15 m) is available for a wire-connection between transmitter and receiver. The radio modules are thus not active and the transmitter is powered directly from the serial cable. We can supply a by-pass valve when required.





IMET Srl reserves the right to make eventual changes to the product without notice.



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