IMET

RADIO REMOTE CONTROL

...no limits of application!

EN

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 and 3 for all movement commands and category 4 for the STOP circuit (UNI EN 954-1).

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 (UNI EN 954-1) for the STOP circuit, and CAT3 and 2 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.

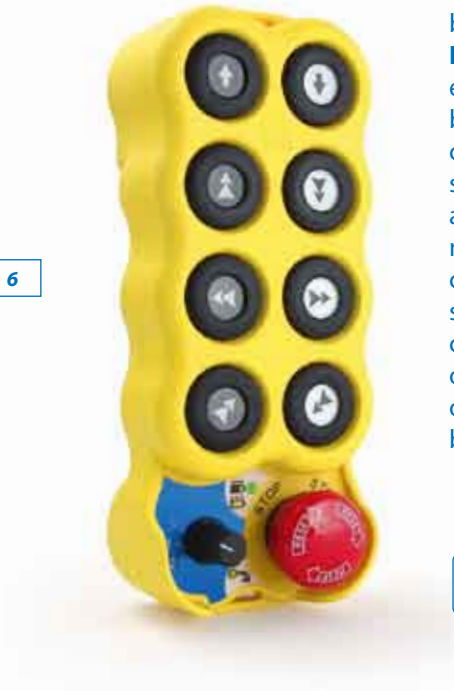
Transmitters and receivers with standard protection rating of **IP65** are manufactured in composite material (nylon charged with fiber glass) with high shock-resistance, thermal and mechanical stability, environmental and chemical exposure resistance. All of these features combine to provide a product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

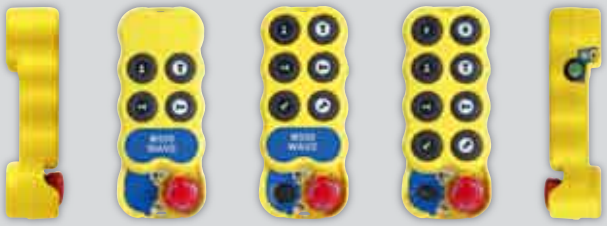
M550 WAVE S



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.

Dimensions
75 x 43 x 180 mm

Weight
375 g



M550 WAVE L

The pushbutton radio M550 **WAVE L** range is available with either 10 or 12 double-step pushbuttons for the movement commands in addition to the standard Start/Klaxon button and STOP mushroom-head 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 single-step 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 245 mm

Weight
445 g

M550 ZEUS B2

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.

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

Weight
1090 g

M550 ZEUS M6

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

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.

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.

DSC
Dynamic Speed Control

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 electro-hydraulic 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.

DSC
Dynamic Speed Control

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

Weight
1450 g

M550 THOR NJ

The **THOR NJ** transmitter is intended for use on machines with high complexity where proportional potentiometers, push-buttons and selector switches represent the ideal types of movement commands. The very wide console has room for an incredible number of commands making **THOR NJ** very flexible and customisable for complex AC and DC powered applications.

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

Weight
1400 g

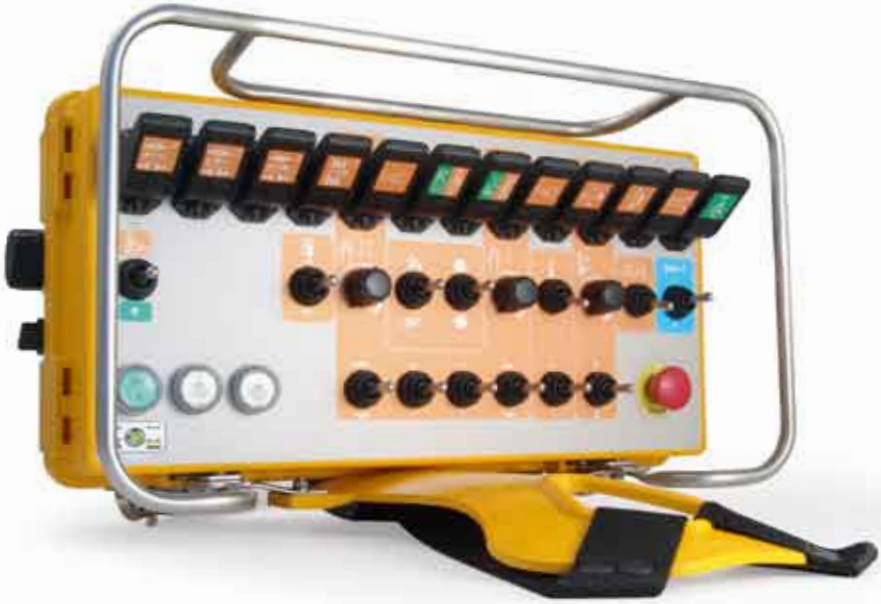
M550 M8

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...



BATTERY CHARGER

IMET battery chargers are ready for 11÷32 Vdc (with cigarette lighter plug) or 230 Vac power supply (Shuko plug).
The housings are IP30 and working temperature can range between 0 and 35 °C. Thanks to the "smart" design, the charging process considers the intrinsic **Ni-MH** cell features and the initial charge status.
It results in optimal charging cycles in the lowest possible time (maximum 3 hours for the complete charge).

Dimensions **CB3600 Zeus / Thor**
75x49x156 mm

Weight
251 g

Dimensions **CB5000 Wave**
75x49x142 mm

Weight
250 g

RECEIVING 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, multi-pole 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 STOP circuit, and the presence of the Safety-Stop relay adds one level to the category of the movement commands reaching CAT2 and 3 (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.

G UNIT

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

M
Dimensions
180 x 120 x 73 mm

Weight
910 g

L / K
Dimensions
145 x 65 x 225 mm

Weight
1700 g

H
Dimensions
205 x 280 x 130 mm

Weight
3500 g

General data	
Working frequency	I.S.M Band 434.050 ÷ 434.775 MHz
Reference norms	ETSI EN 300 220-3 V 1.1.1
Channel spacing	25 KHz Simplex, (25 KHz Half Duplex)*
Number of P.L.L. programmable radio channels	30
Range	≈ 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 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
Safety category of STOP command	3 (UNI EN 954-1) M / 4 (UNI EN 954-1) W-Z-T
Safety category of movement commands	1÷2 (UNI EN 954-1) W-M / 2÷3 (UNI EN 954-1) Z-T
Safety category of datafeedback commands	1 (UNI EN 954-1)
Datafeedback ready	YES
Operation and storage temperature	-20 ÷ +70°C, (-4 ÷ 158°F)

Trasmitting Unit	M8	Wave S-L	Zeus-Thor
Max. quantity of ON/OFF direct commands	32	16 S - 24 L - 20 L*	32
Max. quantity of ON/OFF undirect commands	48	48	48
Max. quantity on analogue commands	8	1	8
Service and Safety commands	4 (Start, Klaxon, Blinker, Stop)		
Housing protection degree	/	IP65	IP65
Housing material	ABS	charged Nylon	charged Nylon
Supply tension	12 min - 28 max Vac/Vdc	2,4 Vdc	3,6 Vdc
Current demand	240mA - 260mA*	100mA - 120mA*	160mA - 180mA*
Power demand	1,4 W - 1,5 W*	0,3 W	0,58 W - 0,65 W*
Battery	/	NiMh 2,4V-1,5A/H	NiMh 3,6V-1,7A/H
Autonomy at 20 °C with charged battery continuos operation	/	≈ 15 hours , ≈ 12 hours *	≈ 12 hours, ≈ 10 hours*
Advice time "battery down"	/	≈ 15 min	≈ 15 min
LCD Display (optional)	2 lines 16 ch. /	2 lines 8 ch. /	2 lines 16 ch. 4 lines 20 ch.
Visualisation speed for the ch. on the display*	100 char/s	100 char/s	100 char/s
Max. quantity of command relays (NO)	16*	/	/
Max. carrying capacity of command relays	6A	/	/
Input ports (optional)**	Seriale RS485	/	/

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

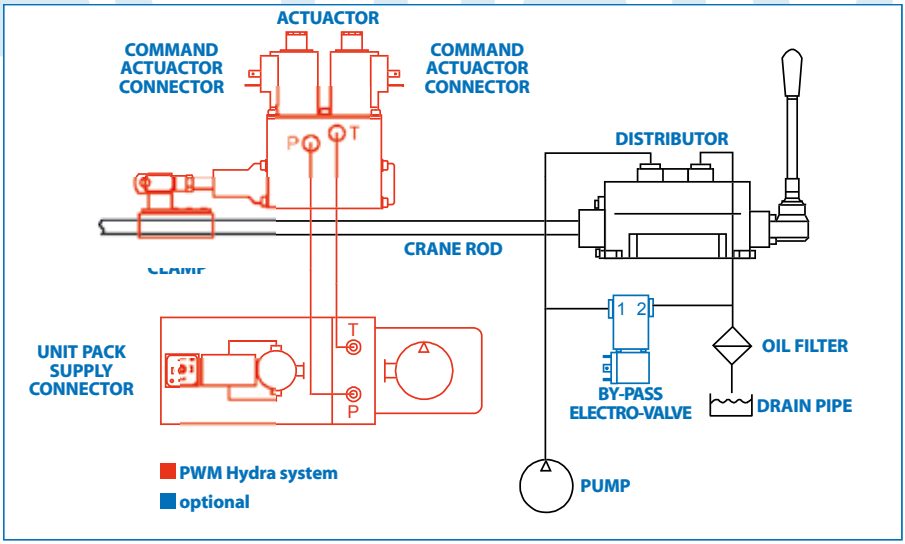
Battery charger	CB5000 Wave	CB3600 Zeus / Thor
Supply tension	12 min - 32 max Vdc (optional 230 Vac)	12 min - 32 max Vdc (optional 230 Vac)
Power demand	250mA DC, 35mA AC, (while charging)	250mA DC, 35mA AC, (while charging)
Charging current	≈ 550mA	≈ 600mA
Max. charging time	3 hours	3 hours
Charge type	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= Trasmitting unit M8
W= Trasmitting unit Wave
Z= Trasmitting unit Zeus
T= Trasmitting unit Thor

* Datafeedback version
** Only for data acquisition
*** DC

HYDRAULIC ACTUATOR

The "**PWM Hydra system**" combining electro hydraulic-actuators, with either ZEUS and THOR radio remote controls, allows the conversion of hydraulic manual cranes into radio controlled ones.
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.



Hydraulic Actuator	
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	
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.


RECEIVERS FOR HYDRA SYSTEM

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

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).

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.

ACTUATOR BLOCK

The modular structure of a block of actuators allows customisation for specific 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.

ROD CLAMPS

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

HYDRAULIC TUBES AND PIPES

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

OPTIONALS AND ACCESSORIES

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.

PLE: AERIAL PLATFORM CONTROL BOARD

The **IMET PLE** electronic board performs the diagnostic checks, and stores data relating to the working status for lifting machines such as cranes with basket and aerial platforms.
The **PLE** system computes the information coming from micro-switches and sensors placed on the machine for different functions, e.g. stabilizing, slewing limit switch, basket presence on the crane, radio control presence in the basket, hydraulic circuit oil pressure and the "double beam" check trough its micro-switch. All the commands executed by the **IMET** radio remote control are provided as inputs to the **PLE** allowing it to supervise in real time the complete system thus granting safe working conditions to the operator. It is possible furthermore to create a database of certain parameters which can then be analysed at a later date.
The special **PLE** housings are highly resistant, stable and waterproof.
The device can work in an extremely large range of temperature.
The housing is externally equipped with luminous leds to monitor continuously the stabilization and **PLE** working status, a Stop-button, a key switch selector (local/off/R.C.) and a Start button for the activation in manual ("local") mode.

PLE COMPOSITION SET

The complete set consists of: PLE board and cabling with standard connectors.

RADIO TRANSPONDER

The **IMET** transponder has been designed in order to solve problems due to the presence of radio transmission critical obstacles between the operator and the receiver placed on the machine. It can be suitable also in cases of not common range needs.
In normal conditions the range is around 100m but the presence of concrete or metallic areas and of hills, can cause a strong radio link reduction till its interruption. Commonly, operators belonging to the fields of water jet/vacuum cleaning, forestry and tower cranes can be involved in such situations.
The compact sizes together with the IP65 housing and the battery powering, allow an easy and fast positioning of the device in the optimal working point.
The TPDR can complete all M550S **IMET** radios thanks to a simple tuning procedure. After the log off of the transponder, the original radio remote control can work again in its normal configuration.

COMPOSITION SET

The complete set consists of: one M550TPDR, a battery charger, two Ni-MH rechargeable batteries, a user manual, CE declaration.

DYNAMIC SPEED CONTROL

DSC (Dynamic Speed Control) is a new function improving proportional movement precision of hydraulic cranes and concrete pumps. The machine operator can adjust in real time the levels of the "slow speed" mode activating DSC+/- tuning the machine response to the specific working session conditions.

MULTI RECEIVER AND TRANSMITTER CONFIGURATIONS

IMET can suit to special configuration requests demanding the simultaneous use of several transmitters and/or receivers.

a) **Tandem, Catch/Release, Master/Slave** operation modes are available in order to satisfy the most complex needs of factory cranes.

b) **Receiver selection**: This option allows the transmitter to select up to 8 receivers or 8 combinations of some receivers.

DATA FEEDBACK

The displaying in the transmitter of data collected from sensors installed on board of the machine, allows the operator to be informed about the system status improving thus the general safety condition.

CAT01-03.08 EN

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

SINCERT

CERMET
SISTEMA DI GESTIONE CERTIFICATO

REG. N 457-A
UNI EN ISO 9001:2000

IMET s.r.l. - Via Fornace, 8
33077 Sacile (PN) Italy
Tel. +39 0434 7878
Fax +39 0434 737848
www.imet.eu - info@imet.eu

20 ANNI
1988-2008