

Technical data

Dimensions (L.W.H.)	310 x 225 x 175 mm / 12,2 x 10,2 x 8,5 in
Dimensions with 4.3" / 5" display (L.W.H.)	310 x 260 x 215 mm / 12,2 x 10,8 x 9 in
Dimensions with 7" display (L.W.H.)	310 x 275 x 230 mm / 12,2 x 8,9 x 6,9 in
Weight (battery included)	Min 2200 g / 4,8 lb - Max 3300 g / 7,3 lb
Max number of ON/OFF commands	64
Max number of analog commands	32
Max number of monoaxial joysticks	18
Max number of biaxial joysticks	5
Range	100 m / 330 ft
Casing material	Charged Nylon UL94 HB
Battery	NiMh 2,4V 4300 mAh / Li-ion 3,7V 6700 mAh
Autonomy without display at 20°C with NiMH battery in continuous operation	≈ 22 hours

	STOP	Up to PLe Cat.4/SIL3
UMFS protection	JOYSTICK	Up to PLd Cat.3/SIL3
	SELECTOR LEVER - BUTTON	Up to PLc Cat.2/SIL2
Operating frequency 1		I.S.M. Band 433.050-434.790 MHz 69 ch.
Operating frequency 2		I.S.M. 434.040-434.790 MHz 30 ch.
Operating frequency 3		2,4 GHz, 38 ch.
Operating frequency 4		I.S.M. Band 863.100-869.850 MHz 32 ch.
Operating frequency 5		Band 915.200-927.800 MHz 64 ch.
Color graphic display (optional)		7" / 5" / 4.3"
Monochromatic display (optional)		3.5"
Operating temperature		-25°C +55°C / -13°F +133°F
Degree of protection		IP 65

Maximum operability in all light conditions

The new IMET displays have been designed for use in any work environment:

These displays are equipped with a backlighting system that provides excellent performance, both in bright environments and in the absence of light. Two themes (Dark mode and Light mode) that are available on board and manually adjustable by the user, make using of the remote control even easier and more comfortable.



GFX & CDS
DISPLAY



GFX



CDS

Display	5"	4.3"
Colors	16.7M	16.7M
Resolution	800x480	480x272
Format	16:9	16:9
Surface Luminance	1000 cd/m²	800 cd/m²
Angular visibility θ_r , θ_b , θ_l , θ_r	80° MIN, 85° TYP	80° MIN, 85° TYP
Internal memory	128 MB	> 2 GB
IDE	TouchGFX 4.24 Designer	CODESYS V3.5 SP19
Communication interface	USB, JTAG	USB, Ethernet
Supported images	.png / .svg	.png / .jpeg / .svg / .jpg / .bmp
Supported video	MJPEG AVI	/
Case material	Charged Nylon UL94 HB	Charged Nylon UL94 HB
Themes	2: Dark mode and Light mode	2: Dark mode and Light mode
SW license	Free on-chip	On payment (included)
Autonomy (Li-Ion battery) Backlight 100% active	7.5 h / 15 h *	9.5 h / 19 h *
Autonomy (Li-Ion battery) Backlight at factory setting	10 h / 20 h *	12 h / 24 h *

* TWINB



SCAN THE QR CODE TO VIEW THOR3 ON OUR WEBSITE



IMET s.r.l. reserves the right to make eventual changes to the product without notice.

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IMET
RADIO REMOTE CONTROL

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THOR3



Global partner for innovation





Ergonomics

In the design of THOR3, every single element has been reviewed to prioritize ergonomics and the operator's user experience. It features a manageable handlebar and a support belt that allow the operator to wear it comfortably during operations. The combination of solutions adopted reduces fatigue and improves productivity, offering greater stability and ease of use for extended and complex tasks.

5" GRAPHIC DISPLAY



ADDITIONAL PANEL FOR COMMANDS



5" DISPLAY



7" DISPLAY



7" GRAPHIC DISPLAY



PROGRAMMING PORT



THOR3

Strong and complete

THOR3 embodies the perfect blend of efficiency, ergonomics and a high level of customization. A flawless combination of design and functionality that positions it at the forefront of its category. Configurable with up to 18 single-axis joysticks or 5 dual-axis joysticks on the main panel, it offers spacious lateral areas for auxiliary controls. It is possible to choose from various types of buttons, potentiometers, toggle switches, or rotary selectors, making THOR3 the ideal solution for any machine.

Durability

With a focus on sustainability and long-term preservation, it use high-quality materials and components. IMET radio controls are designed to be used in the most extreme environments. To ensure durability, the products are tested internally with instruments that verify the protection level against liquid and dust penetration, aging through climatic tests, UV light, salt mist, and incandescent wire tests.

No limits of application!



IMET supports Manufacturers and System Integrators in customizing products according to the needs of their applications. Prototypes and pilot series are created. Once the specifications are defined, the customer plans the supplies. The technology and systems that IMET has invested in, enable a large and diversified production capacity, ensuring product repeatability within timelines that meet the customer's needs.

Total configurability

The CNC drilling of the boxes and the multi-colored digital printing and cutting of the panels are done internally. Along with a highly dynamic Technical Department, IMET can meet the most varied needs of manufacturers. The positioning of the components and the symbology are fully customizable.

Certified Quality and Safety

THOR3 is certified according to international standards, ensuring global coverage. With these certifications, THOR3 is the professional partner for use in all markets, providing high quality and safety.

