

ATEX HANDHELD DISPLAY



1052 DISPLAY

Type: **EFMI**

- ATEX / IECEx · EX IB IIC T4 GB
- UP TO 24 TRANSMITTERS
- 8 GROUP TOTALS
- IP67 · 2 × L91 LITHIUM AA



KEY DATA

Marking, gas	II 2G · Ex ib IIC T4 Gb · Ta = -20 ... +50 °C
Marking, mining	I M2 · Ex ib I
Inputs	up to 24 transmitters, 8 group totals
Enclosure	IP67, 90 × 152 × 34 mm

Matching transmitter in the hazardous area: EFMH.



OVERVIEW

The reading in the hand, inside the hazardous area: the handheld picks up any transmitter on its radio channel and shows the value on its LCD. Up to 24 transmitters can be defined and cycled through, and up to eight group totals summed. Each input carries its own name, scaling, display format, zero and overload setting.

DISPLAY AND INPUTS

- up to 24 defined transmitters
- up to 8 group totals
- name, scaling, zero and overload per input

HAZARDOUS AREA

- ATEX and IECEx · I M2 and II 2G
- Ex ib IIC T4 Gb · Ta -20 ... +50 °C
- 54 h continuous on two L91 cells



TECHNICAL DATA

INPUT AND MEASUREMENT

Transmitters	any detected, or up to 24 defined and cycled
Groups	up to 8 group totals
Per input	name · scaling · display format · zero · overload

ENVIRONMENT AND MECHANICS

Operating temperature	-10 ... +50 °C
Storage temperature	-40 ... +85 °C
Humidity	0 ... 95 % RH
Protection	IP67
Dimensions	90 × 152 × 34 mm
Battery change	two screws on the rear compartment · not in an explosive atmosphere

OUTPUTS AND INTERFACES

Radio	licence exempt transceiver, 2.4 GHz
Works with	intrinsically safe transmitters (EFMH) and transmitters outside the hazardous area
Antenna	inside the enclosure

DISPLAY AND OPERATION

Display	LCD, 7 digits, seven-segment · value, data tag and status
Keys	power · next · tare
Functions	tare · power-on zero · auto power off
Configuration	PC software with a base station

POWER SUPPLY

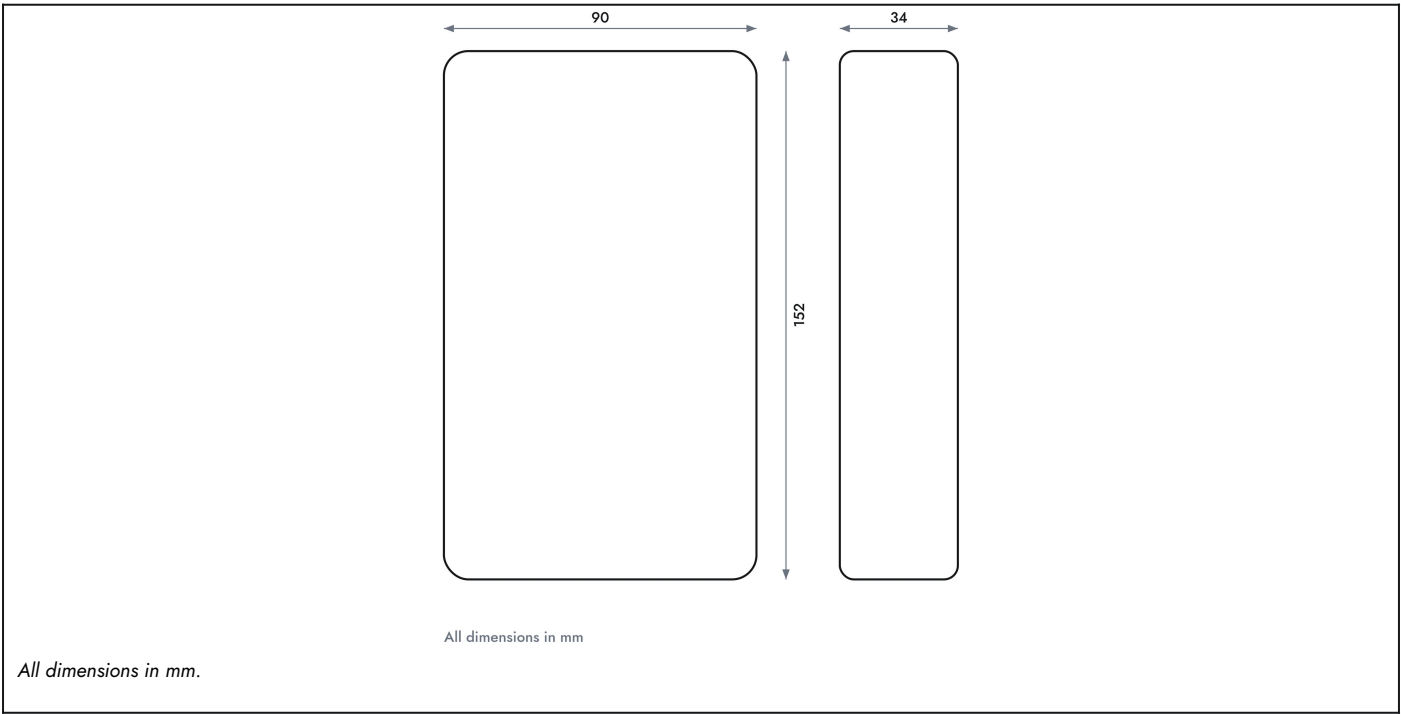
Internal batteries	2 × Energizer L91 lithium AA – use only these cells
Supply voltage	2.3 ... 3.6 V DC · typical 3.0 V
Current, active	40 ... 55 mA
Current, low power mode	5 ... 20 µA
Continuous operation	54 h
Standby (powered off)	more than 5 years

FUNCTIONS

Electrostatic	pocket, belt, keypad and damp cloth need no precautions · avoid repeated brushing against clothing
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DIMENSIONS (mm)



COMPLIANCE AND CERTIFICATION

	ATEX	Sira 15ATEX2345X · II 2G Ex ib IIC T4 Gb · I M2 Ex ib I
	IECEx	IECEx SIR 15.0125X · Ex ib IIC T4 Gb · Ex ib I
	IP67	enclosure

Special conditions: cell type Energizer Lithium L91 AA only · electrostatic charging.

ACCESSORIES AND OPTIONS

Transmitter	EFMH – intrinsically safe, IP67
Base station	for configuration, outside the hazardous area (e.g. EFME)

Manufacturer type: X24-HD.

