DIEHL
Metering

IZAR MBUS COMPACT I

MBUS EMITTER

APPLICATION

The new modules IZAR MBUS COMPACT i are the center of the modular inductive concept developed by Diehl Metering. They can be clipped onto all the meters of the Diehl Metering inductive (Ti) or mixed (Ha+Ti) modular range with grey ring, making them "communicative" in a very easy way.
IZAR MBUS COMPACT i provide informations using M-Bus protocol (EN 13757), enabling billing (index...), monitoring (flow rate, direction...) and the management/follow-up of the installation (tampering, cable cut-off and unclipping alarms ....). It may be connected to different systems such as M-Bus or fixed networks, monitoring, or consumption-analysis systems. IZAR MBUS COMPACT i feature a clamping ring for totally secured mounting (sealable cam) and easy reinstallation on another meter.

FEATURES

- Compatible with inductive modularity "Ti"
- 2 non-polarized output wires
- Flow rate direction management
- Events log and alarms available
- M-Bus compatible (EN 13757)
- IP 68
- Lifetime up to 15 years

PRINCIPLE

	IZAR MBUS COMPACT i
Sensor	Inductive (Ti)
Principle	Detection of a half metal disk
Output type	M-Bus output (EN13757)

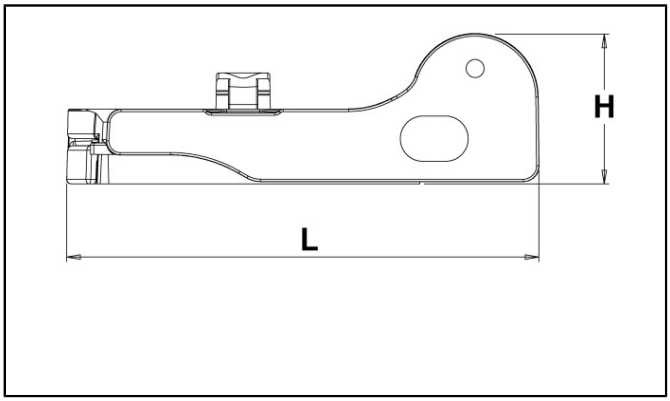
SPECIFICATIONS

		IZAR MBUS COMPACT i
Number of wires		2 non-polarized
Cable length	m	2
Baud rates	bauds	300 or 2,400 - automatic detection
Power supply		Via M-Bus network and lithium battery
M-Bus absorbed current	mA	1.5 (standard load)
Battery lifetime		Up to 15 years
Electromagnetic compatibility (EMC)		Complies with the European directive related to electromagnetic compatibility (2014/30/EU)
Operating temperatures range	°C	-15 ... +55
Storage temperatures range	°C	-20 ... +70
Protection class		IP 68
Programming software		IZAR@MOBILE 2 SET Expert
Reading software		IZAR@CENTER, IZAR@MOBILE 2 Windows SET Expert, IZAR@NET 2, IZAR PLUS PORTAL

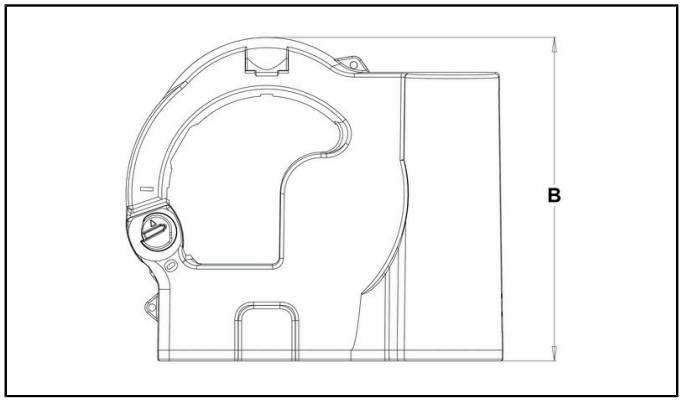
FUNCTIONS AND ALARMS

	IZAR MBUS COMPACT i
Media type	Programmable identification (cold water, hot water)
Historical index	24 values (monthly, weekly, daily)
Flow rate direction	Consumed flow rate in both way
Current flow rate	With an integration period for calculation (1 ... 60 min.) and flow direction indicator
Min. max. and average flow rate	Statistical values of the minimum, maximum and average flow rates
Alarms	Low battery, unclipping, sensor fraud, backflow, over flow, under flow, early leakage detection, nil consumption, cable cut-off

DIMENSIONS



Side view



Top view

			IZAR MBUS COMPACT i
Length	L	mm	100
Height	H	mm	33
Width	B	mm	100

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: metering-germany-info@diehl.com

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