

HM-iCON

The **HM-iCON** is a **smart meter with hybrid technology** for commercial and light-industrial applications. The HM gas meters series are designed and manufactured to meet the most stringent requirements of the European Natural Gas Distribution industry.





Medium / small industry

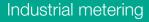


Commercial users

Features	Values			
G type	G10	G16	G25	
Model	HM-ICON-M16	HM-ICON- M25	HM-ICON-M40	
Minimum flow rate	100 dm ³ /h	160 dm ³ /h	250 dm ³ /h	
(Q _{min})	3.5 scfh	5.6 scfh	8.8 scfh	
Cyclic volume	6 dm ³	6 dm ³	8 dm ³	
	1.3 gal	1.3 gal	1.75 gal	
Maximum flow fate	16 m ³ /h	25 m³/h	40 m ³ /h	
	560 scfh	875 scfh	1400 scfh	
Connections (ISO 228-1)	1" 1⁄4 2"	2"	2" 1⁄2	
Maximum permissible error range $Q_{min} \le Q < 0.1Q_{max}$	±3%			
Maximum permissible error range $0.1Q_{min} \le Q \le Q_{max}$	±1.5%			
Maximum operating pressure	up to 50 kPa up to 500 mbarg			
Ambient temperature	from -25 °C to 55 °C from -13 °F to 131 °F			
Gas temperature	from -25 °C to 55 °C from -13 °F to 131 °F			
Accuracy class	1.5			
Ingress protection	IP65 or IP66			
Metrological power supply and	Lithium battery;			
operating lifetime	16 years in operation + 1 year in storage			
Remote communication power supply and operating lifetime	 Lithium battery; GPRS up to 8 years in operation + 1 year in storage NB-IoT up to 16 years in operation + 1 year in storage 			
Remote communication interface	NB-IoT, GPRS			
Local interface	Optical interface configuration according to EN Standard 62056-21			
Communication application protocol	DLMS standard application layer protocol			
Measuring gas	Natural gas (1 st family, 2 nd family - group H, L and E - and 3 rd family according to EN 437)			
Environment classes	M1/E2			
ATEX classification	II 2G Ex h ia IIB T3 Gb			

(*) REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are fulfilled. Standard product may have a narrower range.

Table 1 Features





Materials and Approvals

Part	Material	
Body	zinc-coated pressed steel plate	
Electronic enclosure	plastic polycarbonate	
REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.		

Table 2 Materials

The HM-iCON is designed to meet ISO 12213-3, 2014/32/UE MID, EN1359:2017, OIML R 137-1 & 2 and UNI/TS 11291.

The product is certified according to European Directives 2014/32/EU (MID).

The HM-iCON is also ATEX approved for installation in Zone 1 (II 2G Ex h ia T3 Gb)



HM-iCON competitive advantages

