

ESKA



SMART METER CATALOGUE



ESKA

ESKA is gas equipment manufacturer (Gas Pressure Regulators, Gas Filters and Valves) in Turkey since 1968. Our certified products are being used in residential and industrial areas all around the world.

For 50 years, our product portfolio, operations and ESKA family has grown and still keep growing. Ingenuity, reliability and hard work led us to be the market leader in Turkey and expanded our international operations in more than 50 countries in global scale. By the time you read this text, probably we will be reaching out another locations and placing our products into grids.

In these days when we moved our production structure to a technological infrastructure, we combined our products with technology and innovation.

Smart Gas Meter is the newest addition to ESKA's portfolio. This model combines ultrasonic measurement principle. GPRS and NB-IoT communication providing a static smart gas meter to utilities willing to take benefit of the latest communication technology and build the way to future smart grids

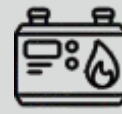
ESKA



USM
G4

INTRODUCING ESKA SMART METER

ESKA



Unique Design



Safe & Enduring



Proven Technology



For Future



Equitable



Contented Customer



Dynamic

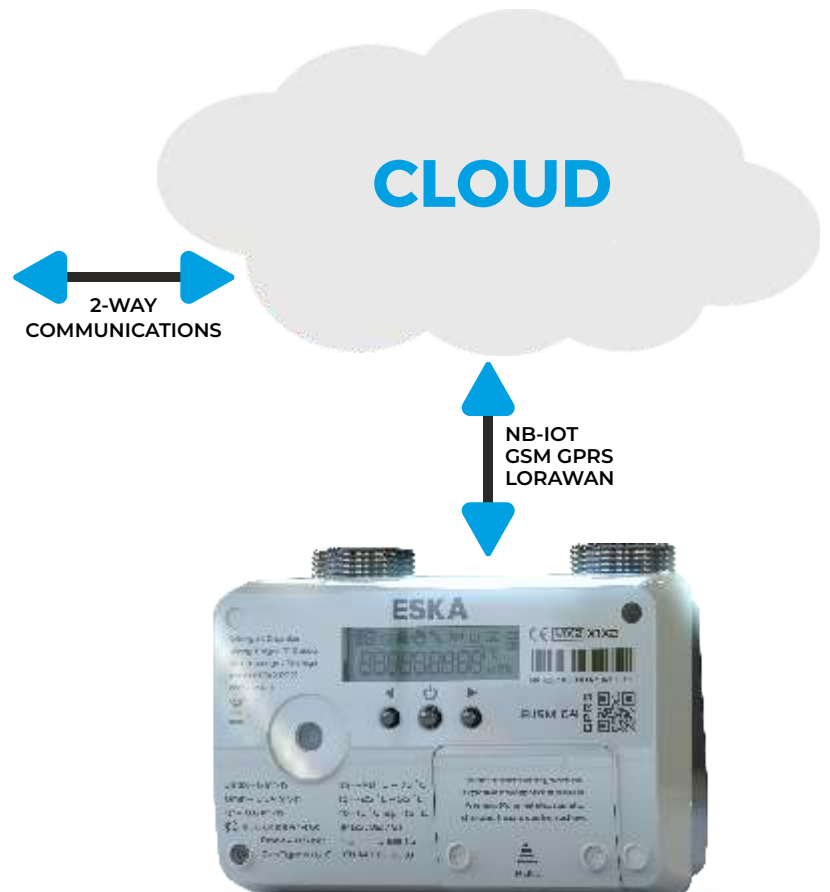


Longevity



Compatible

CUSTOMIZED WEB&MOBILE PLATFORM



INTRODUCTORY AND TECHNICAL INFORMATION

Accuracy Class	MID Class 1.5 Directive 2014/32/EU, EN 14236:2018
Measurement Method	Ultrasonic
ATEX approval	Zone 2: II 3G Ex ic IIA T4 Gc
Gas Supply	Natural Gas H, L & E gas as per EN437
Max Pressure	500 mbar
Mechanical Class	M2
Electromechanical Class	E1
High ambient temperature resistance	650°C for 30 mins EN 14236:2018, paragraph 7.2 High Ambient Temperature approved, "T" marking
Ingress Protection	IP 65
Battery	Metrological battery C size (ER26500) 3.6V 15 Years (non field replaceable), Communication battery D size (ER34615) 3.6V 18Ah SPC 1530 (field-replaceable)
Operating pressure	0,5 bar
Operating/storage temperature	tm:-40°C +70°C tg:-25°C +55°C
Measurement range	0.04 – 6.0 m ³ /h
Standard temperature for volume output	15 °C
Standard pressure for volume output	1013.25 mbar
Corrosion Test	500h salt spray resistant
Box material	High corrosion resistance steel
Enclosure	Main body: Polycarbonate Transparent body: Polycarbonate plastic flame retardant (V0 class) according to UL94 and IEC 60695-11-10/-20, UV stabilized for outdoor use (UL746C)
Keyboard	3 front operator keys
Display	Display, 9 digits, 4 resolution and warning icons
Optical port	EN 62056-21 (Mode C)
Valve	Compliance with EN 61508-2: 2011-02 / EN 16314 compliant / ATEX DIN EN 60079-0:2014
Pressure Loss	≤ 2 mbar Q _{max}
Inlet / Outlet Gas Connect on Types	Standard connect on: DN32, 1"1/4 ISO 228; Other connect on types available on request
Inlet & Outlet Distance	110 mm
Remote Communication Interfaces	NB-IoT, GPRS, LoraWAN / AES 128-bit ECB encrypted communication
Tamper detection	Main cover tamper detection, Battery cover detection, Magnetic detection, Reverse flow, Unauthorized use detection
Number of Tariffs	Up to 8

OVERVIEW



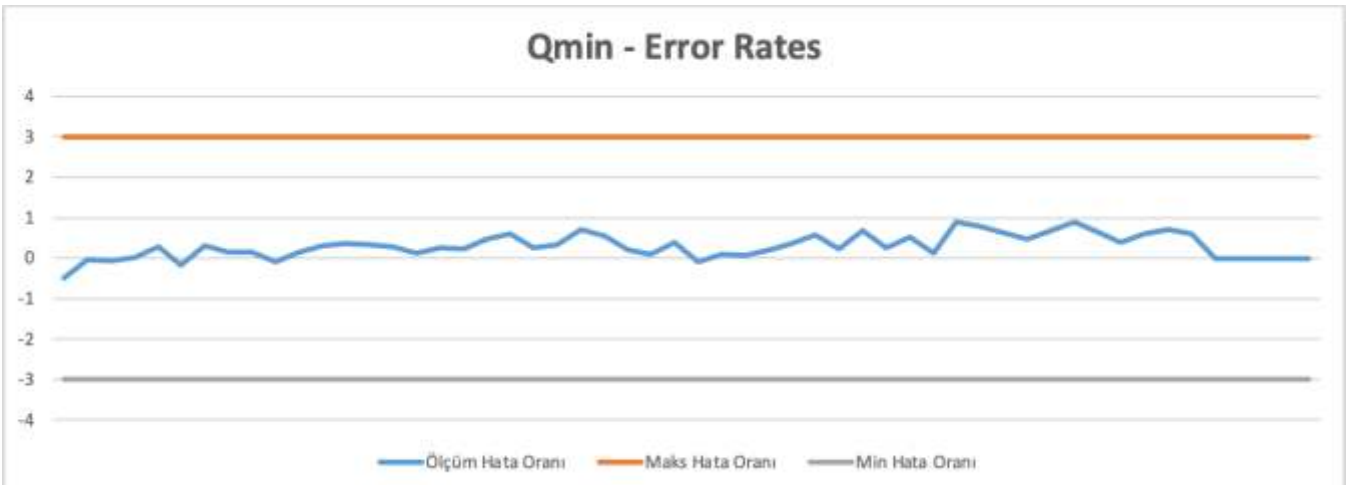
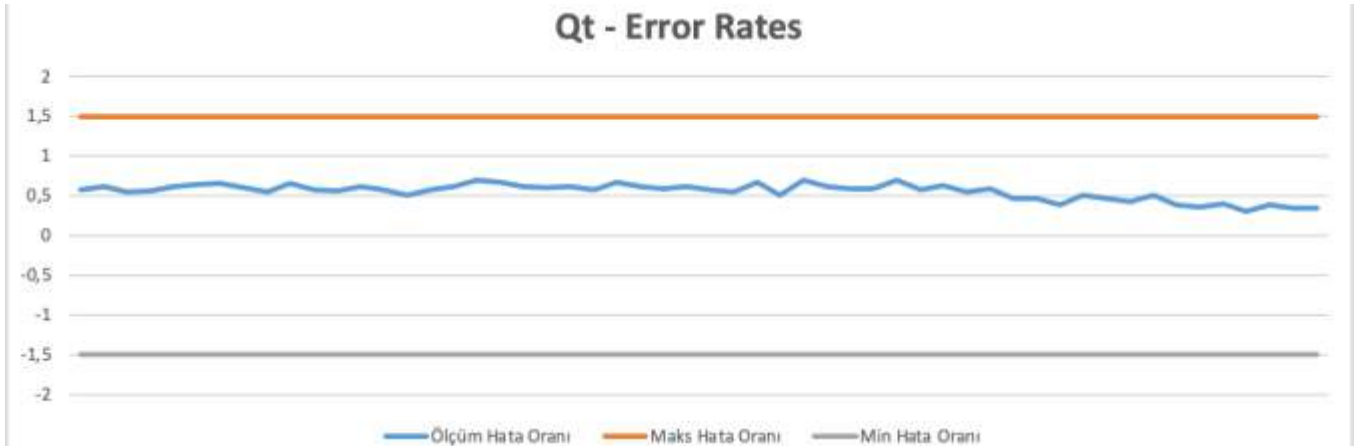
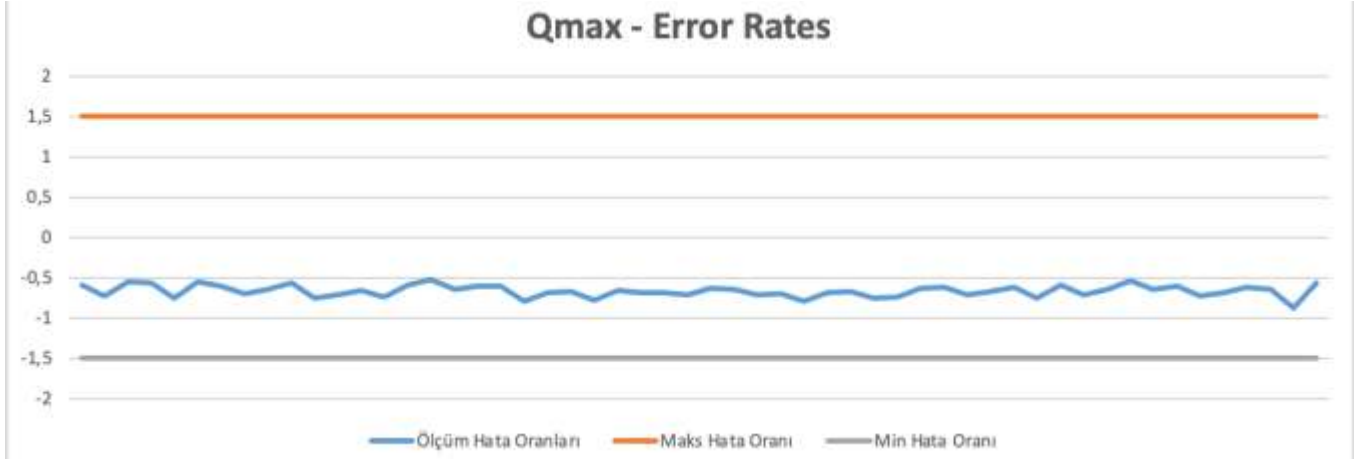
DIMENSIONS



MODEL	DN	A	B	C	D	E	F	G	Weight
USM G4	32	1- 1/4"	185,5	110	138	125,5	97,5	68	1,5 KG

Measurement unit = millimeter

CURVES OF TYPICAL ERROR AND PRESSURE LOSS





www.eskavalve.com

📍 **ESKA VALVE A.Ş.**

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