



## ИРАН ИСЛАМ РЕСПУБЛИКАСЫНЫҢ ЕЛШІЛІГІ АСТАНА

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**Иран Ислам Республикасының Қазақстан Республикасындағы Елшілігі «Akam Madar Asan» компаниясы туралы төмендегі ақпаратты хабарлайды.**

**Компанияның шығаратын өнімдері:**

*А - су мен сұйықтықтарға арналған смарт- сандық ультрадыбыстық су шығынын өлшегіш (цифровой расходомер/счетчик), патенті тіркелген;*

1. тұтынуды жедел бақылау және абоненттер туралы ақпаратты басқару;
2. су, май, бензин және т.б. кез келген сұйықтыққа арналған түріне, тұрғын үй мен өнеркәсіптік нысандар үшін тапсырыс беруге болады;
3. орнатылуы оңай, екі жылға кепілдік беріледі және сатып алынғаннан кейін он жыл қызмет көрсетіледі;
4. тұтыну ақпаратын Modbus - Mbus - GSM форматымен интернет платформаларында жіберу мүмкіндігі бар;
5. абоненттердің тұтынуын бақылауға арналған «Абнамо» бірегей бағдарламалық жасақтамасы бар;
6. Бағдарламалық жасақтама арқылы қашықтан басқарылатын автоматты ажыратқышты (электромагнитті клапанды) орнату мүмкіндігі.

*Б- Крандар және смарт кран түрлендіргіші (смесители и смарт-преобразователь смесителей):*

1. түрлендіргіште клапандарды басқаруға арналған екі сенсор бар;
2. орнатудың оңай болуы және қолайлы бағамен пайдалану;
3. ластанудың таралуын азайту үшін артық тұтынуды болдырмау;
4. кеңселер мен ұйымдарда қолдану және өнімді экспорттау үшін.

Айта кетерлігі, өнімнің соңғы дайын бағасының еуропалық үлгілерден 80% дейін төмен болуына байланысты, компания өнімді өндіруге, экспорттауға және сатылғаннан кейін толық қолдау көрсетуге мүмкіндігі бар. Қосымша ақпаратты [asammadar.ir](http://asammadar.ir) сайтынан, @asammadar инстаграм парақшасынан немесе +989123853463 ұялы телефоны арқылы алуға болады.

***Сейед Мохаммад Хосейни***

***Иран Ислам Республикасының Қазақстан Республикасындағы Елшілігінің кеңесшісі, экономикалық мәселелер бөліміне жауапты***



# ACAM MADAR

Industrial and Engineering Company





**ACAM  
MADAR**



acammadar



[www.acammadar.ir](http://www.acammadar.ir)







# Electronic and Intelligent Converter for faucets and taps

ECO-TAP  
FX 1000



## **A simple and inexpensive way to make smart faucets and taps.**

Without complex installation procedures and only by moving your hands in front of or down this device, you can use water as much as you need, as well as prevent the transmission of various contagious diseases like Hepatitis and Corona, etc. Which it is one of the common ways to transfer it through contact with infected faucets or taps by people and children. One of the most important benefits of this device is to help with more health and increase disease control in the home and workplace environments.

## **Applications**

- » Residential Homes
- » Offices & Organizations
- » Schools & Kindergartens
- » Institutes and Cultural Centers
- » Hospitals & Health Centers
- » Restaurants & Welfare Complexes



# SMART DIGITAL PRESSURE METER

SMART BARO - GAUGE  
GX-700

Smart Baro-Gauge is a knowledge-based product with a precision of 0.05% measurement in the FS (Full-Scale) area based on creative knowledge and by creating the intelligent body of this device, it makes it easy to read the pressure values measured by this device. Also, this device with telecommunication modules adaptable to the existing platforms is able to send its measured information in IoT platforms and makes it twice as easy as reading and decision making and control in the measurement stages.



# SMART DIGITAL BAROMETER

SMART BARO - GAUGE

GX-700

Specifications & Features	Description
<b>Physical Specifications</b>	ABS Plastic Body Material Ability to install vertically and horizontally Stainless Steel Pressure Sensor Material SS-316 Plastic shell Size 60*120*120 mm Display with 9 visible digits Standard Connection Thread Size 1/4" NPT-Male
<b>Electronic Specifications</b>	Tolerable Temperature -40~800°C Precision Class 0.04% Minimum pressure 0.001 Bar 10-30 VDC power supply and battery Output standard RS485, RS232, 4-20 mA Pressure Limit 700-0 Bar Accuracy of 0.05% in FS
<b>Other Specifications &amp; Features</b>	Simple menu and user friendly Stainless steel body and corrosion resistant Ability to control the pressure and send message Approved by The National Standard of Iran (NACI) Ability to measure in different ranges and display up to 3 decimal digits Ability to display 6 pressure measurement units mmHg, Atmosphere, bar, Pascal, PSI, Kg/m <sup>2</sup> Intelligent and sending pressure information in the IoT interfaces (GSM/GPRS, NB-IOT,LorA, Sigfox)



## APPLICATIONS

- » Fluid Industries (Water & Wastewater, Oil, Gas, Petrochemical Industries)
- » Automotive Industry
- » Reservoirs Level measurement
- » Heating & Refrigeration Industries
- » Industrial and Agricultural parks
- » Air Conditioning & Residential Homes



Sonic pro NX-SERIES (In-line) water meter with Transit-time technology of ultrasonic signals, designed with the ability to measure 6 liters per hour ( $Q3/Q1=R>400$ ), is able to reduce more than 30% of the water which is not counted in system before. This is caused to increases the revenues of water and wastewater companies and also reduces the waste of these resources. This generation of water meters are able to reduce the error of measurement devices or apparent errors in the pipe line network.



# ULTRASONIC DIGITAL WATER METER

SONIC - PRO  
NX-SERIES (IN LINE)





# RESIDENTIAL ULTRASONIC DIGITAL WATER METER

SONIC PRO NX-SERIES

Specifications & Features	Description
Physics Specifications	Pipe and Fittings Standards ISO4064 Size ½” inches (DN15) to 1 ½” Inches (DN40) Integrated Forging Brass Body (Parts Hygiene Approval)
Fluid Specifications	Low viscosity fluid (clean water, oil, gasoline, gasoline, alcohol, paint, etc.)
Power Specifications	3V, 4000 mAh battery with a lifespan up to 10 years Power ability of 220 VAC and 24~12VDC-5
Accuracy and measurement	Flow Accuracy ±0.2% Repeatability 0.015% Ratio Q3/Q1=250,400,650,800
Make smart and sending information mechanism	Ability to switch solenoid valve, Electric and relays Water monitoring and consumption management software(ABNAMA) Send information to all IoT platforms including NB-IoT, Loka, GSM(GPRS)
Information & Display	1. Fluid temperature (OC,OF) 2. Solar (Shamsi)& Gregorian Calendar & Clock Accumulative volume (m <sup>3</sup> , Lit, Gal) Instantaneous flow (m <sup>3</sup> /h, Lit/min) Max daily flow and reverse flow Accumulative operating time and fluid passing time warning: Dry, over-loud, bursting, leakage, battery, tamper, bubble and fluid reversal
Capabilities & Features	1. AC power and rechargeable battery 2. Do not counting the bubble air in system and bubbles mixed with fluid Ability to add pressure, temperature sensors and send output port information RS85, RS232, MOD BUS, M-Bus, 4~20 mPulse

## APPLICATIONS

- » Understanding & management consumption & thus modifying consumption patterns
- » Separation of the amount of fluids consumed and energy of building charge
- » Ability to display on mobile phones & personal computers and issue separate bills
- » High accuracy of flow meter & low starter flow which cause reduces in water resources
- » Send information as SIGFOX, NB-IoT, LoRa, Wi-Fi in IoT network





# ULTRASONIC DIGITAL FLOW METER

SONIC PRO NX-SERIES

ACAM ultrasonic flowmeter is designed based on the latest ultrasonic technology. This flowmeter does not contain any moving part and maintains its calculated accuracy over a lifetime (10 years). Also, this flow meter is known with reliability rate in low flow rates.

# ULTRASONIC DIGITAL FLOW METER

SONIC PRO NX-SERIES

Specifications & Features	Description
Physics Specifications	PN16 Flange Fittings Integrated Cast Iron Body (Epoxy Color 12 Layers) Size from 2 inches (DN50) to 12 inches (DN300)
Fluid Specifications	Low viscosity fluid (clean water, oil, gasoline, alcohol, paint and milk, etc.)
Power Specifications	3V; 4000 mAh battery with a lifespan of 10 years 220 VAC & 24 VDC
Accuracy and measurement	flow accuracy by + 0.2% Repeatability 0.015% ratio: $R=Q3/Q1=250,400,650,800$
Make smart and sending information mechanism	Ability to switch valves Water monitoring and consumption management software (ABNAMA) Send information on all IoT platforms
Information & Display	Fluid temperature (OC,OF) Solar (Shamsi)& Gregorian Calendar & Clock Accumulative volume (m <sup>3</sup> , Lit, Gal) Instantaneous flow (m <sup>3</sup> /h, Lit/min) Max daily flow and reverse flow Accumulative operating time and fluid passing time warning: Dry, over-loud, bursting, leakage, battery, tamper, bubble and fluid reversal
Capabilities & Features	AC power and rechargeable battery Do not counting the bubble air in system and bubbles mixed with fluid Ability to add pressure, temperature sensors and send output port information RS85, RS232, MOD BUS, M-Bus, 4~20 mPulse

## APPLICATIONS

- » Craftsman & Factory Owners
- » Instrumentation Laboratories
- » Mass Builders of Residential Units
- » Oil, gas and petrochemical industries and oil and gas fuel station
- » Fluid flow meter (water, oil, gasoline, gasoline, milk and any low viscosity fluid)
- » Sending information in the IoT platforms of municipal water and wastewater companies (IoT)





# CERTIFICATS

**BQS**

CERTIFICATION

## *Certificate of Registration*

This is to certify that the Management System of

**ACAM MADAR ASAN KNOWLEDGE ENTERPRISE CO.**

Unit 3, Floor 1, Corner of Amir Passage, Amir Bldg., No. 81, Corner of 22 St. (Asra), Tehran, Iran

has been assessed and found to be in conformance  
with the following standard

**ISO 9001:2015**

Scope of Registration :

Manufacturing of Smart Digital Ultrasonic Flow Meters

**BQS**

CERTIFICATION

## *Certificate of Registration*

This is to certify that the Management System of :

**ACAM MADAR ASAN KNOWLEDGE ENTERPRISE CO.**

Unit 3, Floor 1, Corner of Amir Passage, Amir Bldg., No. 81, Corner of 22 St. (Asra), Tehransar Main Blvd., Tehransar, Tehran, Iran

has been assessed and found to be in conformance  
with the following standard :

**ISO 10004:2018**

Scope of Registration :

Manufacturing of Smart Digital Ultrasonic Flow Meters



ISO 9001 : 2015



ISO 10004 : 2018



ISO 14001 : 2015



ISO 45001 : 2018



CE





# CERTIFICATS

**NACIL**  
NACIL/106  
شماره ثبت صلاحیت  
ISO/IEC 17025  
47892 شماره مجوز آمزش

**آزمایشگاه کالیبراسیون تنظیم**  
Tanzim Calibration Laboratory  
تهران، خیابان کریم خان زند، خیابان خرمشهر، پلاک ۳۳ جنبه چهارم  
تلفن: ۸۸۲۲۴۰۰ - ۸۸۲۲۴۰۱ - ۸۸۲۲۴۰۲ - ۸۸۲۲۴۰۳ - ۸۸۲۲۴۰۴  
کد پستی: ۱۵۸۴۱۳۱۷  
وبسایت: www.tanzim-eng.com  
ایمیل: info@tanzim-eng.com

گواهینامه کالیبراسیون  
Calibration Certificate

مشتری و دستگاه تحت کالیبراسیون  
مشتری: شرکت مادن آکام مدار  
آدم مدار آسان (www.acamadar.ir)  
Flowmeter  
N/A

تاریخ دریافت: ۱۳۹۹-۰۵-۲۵  
تاریخ کالیبراسیون: ۱۳۹۹-۰۵-۲۶  
تاریخ سررسید کالیبراسیون: ۱۳۹۹-۰۵-۲۷  
تاریخ صدور: ۹۹-۰۵۲۶۷۱  
شماره گواهینامه: ۹۹۰۵۲۶۷۱  
صفحه ۱ از ۲

Receipt Date: August 15, 2020  
Calibration Date: August 16, 2020  
Calibration Due Date: N/A  
Issue Date: August 17, 2020  
Certificate No.: 99053971  
Page 1 of 2

Customer:  
Instrument:  
Location:  
Instrument Range:  
Calibration Range:  
Resolution:  
Sensor/Indicator:  
Connection:

Customer and Calibration Item  
مشتری: شرکت مادن آکام مدار  
تاریخ دریافت: ۱۳۹۹-۰۵-۲۵  
تاریخ کالیبراسیون: ۱۳۹۹-۰۵-۲۶  
تاریخ سررسید کالیبراسیون: ۱۳۹۹-۰۵-۲۷  
تاریخ صدور: ۹۹-۰۵۲۶۷۱  
شماره گواهینامه: ۹۹۰۵۲۶۷۱  
صفحه ۱ از ۲

Customer:  
Instrument:  
Location:  
Instrument Range:  
Calibration Range:  
Resolution:  
Sensor/Indicator:  
Connection:

Customer and Calibration Item  
مشتری: شرکت مادن آکام مدار  
تاریخ دریافت: ۱۳۹۹-۰۵-۲۵  
تاریخ کالیبراسیون: ۱۳۹۹-۰۵-۲۶  
تاریخ سررسید کالیبراسیون: ۱۳۹۹-۰۵-۲۷  
تاریخ صدور: ۹۹-۰۵۲۶۷۱  
شماره گواهینامه: ۹۹۰۵۲۶۷۱  
صفحه ۱ از ۲

Accommodation and Environmental Conditions  
Air Pressure: 850 hpa  
Gravitational Acceleration: 9.79425563 m/s²  
Performed In: Lab

Standards and References Used and Traceability Information

No.	ID	Description
1	TA-MV-BA/05	Precision Balance LP62005 (0.01 g)
2	TA-FL-BA/01	Heavy Weighing Balance (0.01 kg)
3	TA-FL-MF/01	Mass Flow Meter Micro Motion Elite CMF300
4	TA-FL-FL/05	Coriolis Mass Flow Meter Micro Motion R1005
5	TA-FL-FL/07	Coriolis Mass Flow Meter Micro Motion R2005
6	TA-FL-UF/01	Ultrasonic Flow Meter GE PTB78

این گواهینامه بر اساس الزامات استاندارد ISO/IEC 17025:2005 صادر شده است. این گواهینامه تنها برای مقاصد کالیبراسیون معتبر است و هیچگونه تضمینی در خصوص دقت یا قابلیت اطمینان نتایج کالیبراسیون ارائه نمی‌دهد. این گواهینامه تنها به مشتری ارائه می‌گردد و در صورت نیاز به کپی آن، باید با مدیر آزمایشگاه تماس گرفته شود. این گواهینامه تنها برای مقاصد کالیبراسیون معتبر است و هیچگونه تضمینی در خصوص دقت یا قابلیت اطمینان نتایج کالیبراسیون ارائه نمی‌دهد. این گواهینامه تنها به مشتری ارائه می‌گردد و در صورت نیاز به کپی آن، باید با مدیر آزمایشگاه تماس گرفته شود.

The calibration results relate only to the items mentioned in the certificate. This certificate relates only to the mentioned items and does not constitute a guarantee of the accuracy of the results. The calibration results relate only to the items mentioned in the certificate. This certificate relates only to the mentioned items and does not constitute a guarantee of the accuracy of the results.

مجاز انتشار - باقری  
Releasing Authority - Bagheri

No. 33, South Kheradmand St., Karimkhan St., Tehran, Tel: 88313181

**Calibration Certificate**  
**SAM LABORATORY**  
No 3, Dordanch Alley, Emamzadeh St., Enghab Bldg, Qods City, Fath Hwy., Tehran, Iran  
Mob: +989109316126 - Tel: +982146842549 - Fax: +982143852618

**NACIL**  
NACIL/106  
شماره ثبت صلاحیت  
ISO/IEC 17025  
47892 شماره مجوز آمزش

Certificate No.: 98075-1  
Calibration Date: 98/04/12  
Sugg.Re-Cal.Date:  
Issue Date: 98/04/15

Customer and Equipment Specification

Customer's name: Acam Madar Asan Co.  
Request No: 98075  
Instrument: Ultrasonic Flowmeter DN15  
Manufacturer: Acam Madar Asan Co.  
Serial No./Model: 3604548  
Fluid/Density: Water / 1000 Kg/m³  
Range: Up to 3 m³/hr  
Resolution: 0.000001 m³/hr  
Temperature/Pressure: -- / --

Reference Instrument: Master Flowmeter S/N: 830B3C19  
Ambient Condition: Temperature: (20±5)°C / Humidity: (40±5)%  
Calibration method: The Flowmeter Calibrated by reference to instruction W.5.5/01  
Uncertainty: The Reported Expanded Uncertainty of measurement is ±0.1% (k=2) with a confidence of approximately 95%.

Lab. Manager: Fereshteh Oshroini  
Lab. Stamp

1 This Certificate is not valid without Laboratory Stamp.  
2 This report issue in 2 pages & the copy of this document must be from original.

**E.P.I.L.**  
Energy & Power Industries Laboratories Co.,(I.S.)

Accredited lab in Electrical, Oil, Gas, Telecommunications, IT, Renewable Energy and Medical Industries

ISO IEC 17025 Accredited Lab  
Inspection Body

Test report TL13-60003-T1  
Page 1 of 12  
LOF-708-02  
Review No:06

**EPIL TEST REPORT**

Project No.: L13-60003  
Equipment Under Test: Smart Flow Meter

S/N: IR681A000452  
Model/Type: Sonic-Pro  
Built Year: 2020  
IP: 68 (1h, 1m)

Manufactured by: Acam Madar Asan CO  
Applicant: Acam Madar Asan CO  
Trade Mark:

Tested According to: IEC 60529 2013 COR1:2019  
Reception Date of Sample: 21-Jul-2020  
Testing Date: 26-Jul-2020  
Issue Date: 04-Aug-2020  
Test Result: PASSED  
No. of pages: 12

Prepared and Tested by: H. Montazeri  
Verified by: Technical Manager S. M. Mirfalah

Approved by: S. M. Mirfalah  
Engineering Deputy of Test and Inspection Prof. B. Vahidi

Technical Department Chief Executive Officer S. M. Mirfalah  
This report should not be reproduced in extracts without written approval by EPIL.  
Not Valid Without Lab Stamp.

Office: Unit 12, No. 2, Boujari Soltan Dead-End, Corner of Farman St., Bozorgmehr St., Vah-Aer Ave., Tehran-Iran  
Postal Code: 1416854523 Tel: 021-61971 Fax: 021-66174283  
Lab: Kavosh Research City, Supa Blvd., 8 km of Vah-Aer Freeway, Iran  
Tel: 026-3476700-14 Fax: 026-3476715  
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# ACAM MADAR



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