

GENERAL FLOWMETER PRODUCTS

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GENERAL FLOWMETER PRODUCTS

MINIATURE TURBINE FLOWMETER

PRODUCT CODE	LOGIN	SCALE	PULSE
ENL- HZ41CF	4mm Pipe	0,3-3 Lit/min	5.300
ENL- HZ41WA/B	4mm Pipe	0,3-3 Lit/min	4.200
ENL- HZ41WF	1/4"	0,3-3 Lit/min	3.900
ENL- HZ41WA/D	1/4"	0,3-3 Lit/min	4.600
ENL- HZ21WA	1/2"	1-30 Lit/min	425
ENL- HZ21FA	1/2" Brass	1-30 Lit/min	600
ENL- HZ43WA	3/4"	2-50 Lit/min	170
ENL- HZ25DN	1"*	5-60 Lit/min	330



-20°C / 70°C
Pulse Output
5 - 24 VDC
NPN Output

%1 Accuracy
Polyamide, PVC, Brass Body
10 Bar

IMMERSION TYPE TURBINE AIR FLOWMETER



20°C
Stainless Steel Pulse Output
5- 24 VDC
%1 Accuracy 16 Bar
5-50 m/s Velocity
2" Connection
Connection Sleeve Included

PRODUCT CODE	EXPLANATION
LWGI-30	DN50- DN800
LWGI-80	DN800 - DN2000
Exproof Protec.	Optional
4-20mA	Optional
Exproof battery-based indicator	Optional
4 20mA/Pulse 24VDC Ex. Indicator	Optional

GENERAL FLOWMETER PRODUCTS

IMMERSION TYPE PLASTIC LIQUID FLOWMETER

PRODUCT CODE	EXPLANATION	PRESSURE
ENL-JM40	1" * DN40 -DN100	6 Bar

0°C / 50°C (JM-40)
 Ops. 4-20mA output
 3-12 VDC
 0.25 - 5 m/s



IMMERSION TYPE LIQUID TURBINE FLOWMETER



0°C / 80°C
 Pulse output 12- 24 VDC
 %2 Accuracy
 r Connection
 NPN Output

PRODUCT CODE	EXPLANATION
ENL-ARF - 4	DN25- DN400
NPL-01	Mounting Apa

STAINLESS STEEL TURBINE FLOW METER (GAS)

PRODUCT CODE	EXPLANATION	CONNECTION
LWGQ-15	1,5 - 7,5 m3/h	DN-15 Flange
LWGQ-25	6 - 42 m3/h	DN-25 Flange
LWGQ-40	8,4 - 84 m3/h	DN-40 Flange
LWGQ-50	16,8 - 168 m3/h	DN-50 Flange
LWGQ-80	34 - 340 m3/h	DN-80 Flange
LWGQ-100	51 - 510 m3/h	DN-100 Flange
LWGQ-150	98 - 980 m3/h	DN-150 Flange
LWGQ-200	170 - 1700 m3/h	DN-200 Flange
LWGQ-250	230 - 2300 m3/h	DN-250 Flange
LWGQ-300	400 - 4000 m3/h	DN-300 Flange

-40°C / 120°C
 Pulse Output
 12 - 24 VDC
 %1 Accuracy



IMMERSION TYPE AIR SPEED SENSOR-FLOWMETER



0°C / 50°C
 24 VDC
 %5 Accuracy
 Pt100 temperature measuring
 4-20mA, 0-10V Adjustable Output
 0-2m/s, 0-10m/s, 0-20m/s
 Adjustable Velocity

PRODUCT CODE
AVT
LCD Indicator

GENERAL FLOWMETER PRODUCTS

DIGITAL BATTERY INDICATOR FLOW METER

PRODUCT CODE	PRESSURE	CONNECTION
MODLE-1-METER	20 Bar	1"

-25°C / 80°C
Cast Metal
%1 Accuracy
Min. 20 L/M
3Ax2 Battery Op.



PORTABLE ULTRASONIC FLOWMETER



-40°C / 110°C
Portable
Rechargeable
Battery
%0.5 Accuracy
RS232 Commun.

PRODUCT CODE	EXPLANATION
TUF-2000H	DN-15 / DN-800
TUF-2000P	DN-15 / DN-800 printer

RAIL TYPE ULTRASONIC FLOWMETER

PRODUCT CODE	EXPLANATION
TUF-2000R	DN-25 / DN-100
TUF-2000R	DN-50 / DN-1000
TUF-2000R	DN-800 / DN-6000

220 VAC - 24 VDC
Pulse, 4-20mA, Modbus Output
%0.5 Accuracy
Pt100 Input, Calorie meter
0.01-12 m/s Velocity



ULTRASONIC FLOWMETER SENSOR



-40°C / 110°C Opt. 150°C
%0.5 Accuracy

PRODUCT CODE	EXPLANATION
TS-2	DN-25 / DN-100 Small
TM-1	DN-50 / DN-800 Med
TL-1	DN-800 / DN-6000 Large
TM-1 HT	High Temp.
TS-2 HT	High Temp.
HS	Railed Sm.
HM	Railed Md

MASS FLOW METER (ECONOMIC-BATTERY)

PRODUCT CODE	CONNECTION	SCALE
MF-5712	1/2" Thread	0-200 L/m
MF-5706	1/4" Thread	0-25 L/m

-10°C / 55°C
4xAA Battery or 5-10VDC
Rs485 Modbus output
8 Bar
%2 Accuracy
Gas



GENERAL FLOWMETER PRODUCTS

METAL TUBE FLOWMETER

CODE	LIQUID SCALE	GAS SCALE	PRESSURE
LZZ-15	1,6-B00L/h	0,05-16m3/h	40 Bar
LZZ-20	1,6-B00L/h	0,05-16m3/h	40 Bar
LZZ-25	100-5000L/h	3-110m3/h	40 Bar
LZZ-32	100-5000L/h	3-110m3/h	40 Bar
LZZ-40	100-5000L/h	3-110m3/h	40 Bar
LZZ-50	600-16000L/h	18-400m3/h	40 Bar
LZZ-65	600-16000L/h	18-400m3/h	16 Bar
LZZ-80	2000-25000L/h	50-750m3/h	16 Bar
LZZ-100	4000-60000L/h	100-2000m3/h	16 Bar

User can make selection within the given scale range. (Ex..DN-54-4DL/hs,v.)

OPTIONS				
316 Stainless	Heat. Jacket	Horiz. Connect.	Magnetic Filter	Anti Cor.



-80°C / 200°C
Cast iron or S.S Opt. 5-24 VDC
%1 Accuracy
Flange connection

THERMAL MASS FLOWMETER



-10°C / 350°C
Stainless Steel Body
5-24 VDC
%0,5 Accuracy
16 Bar
4-20mA output
Liquid - Gas

PRODUCT CODE	EXPLANATION
HGF-15	0-38m3/h
HGF-25	0-106m3/h
HGF-40	0-270m3/h
HGF-80	0-1100m3/h
HGF-100	0-1700m3/h
HGFF	Immer. Type* DN-50-DN-1000

IMMERSION THERMAL MASS FLOWMETER (SPEED-FLOW METER)

PRODUCT CODE	EXPLANATION	SCALE
FTS84-2011-2QD	with Indic.	20m/s
FTS84-6011-2Q	without Ind.	60m/s
FTS84-60TI-2QD	with Indic.	60m/s
FTS84-60TI-25QD	With Ind. +5m Cable	60m/s

Ip65 1/2" Thread
8-35 VDC
Moving Record
Free PC Software
4-20mA, 0-10V, Modbus



ORIFICE PLATE FLOWMETER



10°C / 300°C
Opt. 550°C
Stainless Steel
24VDC
%0,5 Accuracy
16 Bar Opt. 40 Bar

PRODUCT CODE	CONNECTION
ORFC-25	DN-25 Flange
ORFC-50	DN-50 Flange
ORFC-65	DN-65 Flange
ORFC-80	DN-80 Flange
ORFC-100	DN-100 Flange
ORFC-150	DN-150 Flange

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TARGET FLOWMETER

PRODUCT CODE
ENL-TR-15
ENL-TR-20
ENL-TR-25
ENL-TR-32
ENL-TR-40
ENL-TR-50
ENL-TR-65
ENL-TR-80
ENL-TR-100
ENL-TR-125
ENL-TR-150
ENL-TR-200
ENL-TR-250
ENL-TR-300

FEATURE SELECTION
Remote Indicator
High Pressure Class
Pulse Output
Pressure Compensation
Tempe. Compensation

TEMPERATURE SELECTION
-40°C / 100°C
-100°C / 200°C
-80°C / 200°C
200°C / 300°C
300°C / 500°C

-196°C / 500°C
 24 VDC or 220VAC
 %0,5 Accuracy
 40 Bar - 150 Bar
 4-20mA, 0-10V
 IP65 Protection
 For high temperature and density fluids



OVAL GEAR FLOWMETER



PRODUCT CODE	SCALE
LC-A10	0,04-0,4m3/h
LC-A15	0,25-1,5m3/h
LC-A20	0,5-3 m3/h
LC-A25	1-6 m3/h
LC-A40	2,5-15 m3/h
LC-A50	4-24 m3/h
LC-A65	5-40 m3/h
LC-AB0	10-60 m3/h
LC-A100	16-100 m3/h
LC-A150	32-190 m3/h
LC-A200	34-340 m3/h



-20°C / 100°C
 24VDC
 %0,5 Accuracy
 10 Bar
 4-20mA, Pulse Output
 Ops. RS485 Modbus
 0,3-50000mPa.s Viscosity

FEATURE SELECTION
Total Reset
Total Reset + Pulse Output
Total Reset + 4-20mA Output
Pulse Output
4-20mA Output
High Temperature Protection
LCD Indicator
Exproof
High Viscosity
LCD Indicator + Pulse Output
LCD Indicator + 4-20mA Output
LCD Indicator + RS485 Modbus
%0,2 Accuracy

GENERAL FLOWMETER PRODUCTS

PLASTIC OVAL GEAR FLOWMETER

PRODUCT CODE	SCALE	CONNECTION	PRESSURE
ENL-OF21ZAT	5-50 L/m	1/2" Thre.	10 Bar

10°C / 70°C
 PVC
 3-12 VDC
 %2 Accuracy
 Pulse Output
 2,5ml / Pulse



OVAL GEAR ALUMINUM FLOWMETER

OVAL GEAR ALUMINUM FLOWMETER DN10

Model	OF03ZAT
Measurin Principle	Oval Gear
Body	Aluminum
Output	NPN Pulse
Measuring Range	40-800 lit/h
Connection	3/8"
Accuracy	1%
Temperature	-20 ... +80°C
Supply	5-18VDC
Pressure	17,5 Bar
Pulse /lt	138 Pulse/lt

OVAL GEAR ALUMINUM FLOWMETER DN8

Model	OF02ZAT
Measuring Principle	Oval Gear
Body	Aluminum
Output	NPN Pulse
Measuring Range	30-300 lit/h
Connection	1/4"
Accuracy	1%
Temperature	-20 ... +80°C
Supply	5-18VDC
Pressure	17,5 Bar
Pulse llt	90 Pulse/lt



OVAL GEAR ALUMINUM FLOWMETER DN15

Model	OF04ZAT
Measuring Principle	Oval Gear
Body	Aluminum
Output	NPN Pulse
Measuring Range	50-1200 lit/h
Connection	1/2"
Accuracy	1%
Temperature	-20 ... +80°C
Supply	5-18VDC
Pressure	17,5 Bar
Pulse llt	144 Pulse/lt

ANLIK DEBİ ÖLÇÜM VE KONTROL CİHAZI

ENL 604 Device is microcontroller based and designed for instant and total value counting and control purposes for all kinds of pulse output flowmeters.

- ▶ It is an advanced functional device, thanks to which its ability of connect to two flowmeters at the same time and values can be transferred to the computer with the communication output and controlling outputs by relays at the same time.
- ▶ By assigning functions to keys and terminals, flexible operation of this device has been achieved in many systems..



TECHNICAL SPECIFICATIONS

Power Supply:

220VAC/50Hz t %10
10-32VDC (Optional)

Power Consumption:

Maksimum 4Watt

Working Temperature and Humidity:

0-50 °C....%5..%95 RH

Inputs:

InputA :Pulse Input 0,1Hz 15kHz
InputB :Pulse Input 0,1Hz 15kHz (Opsiyonel)
Logic Input 1 fonction input
Logic Input 2 fonction input

Measuring Range:

0...4294967295 value for Input A and B instantaneous and total flow.

Outputs:

Relay 1 output 10A/250VAC
Relay 2 output 10A/250VAC
RS485 Modbus RTU Output (Optional)
Sensor supply output +22Vdc/50mA ± %10(for 220VAC)

Note: Sensor Supply output is 2.5V lower than the supply input in the 10-32VDC supply input option.

Exam.: In case of 24Vdc supply, the sensor supply output is 21.5 Vdc.

- ▶ 2 pcs 6 digit 7 segment LED display
- ▶ Assigning independent parameter monitoring for each display
- ▶ Option to turn off displays
- ▶ Possibility to connect two flowmeters
- ▶ Different parameter input for each flowmeter
- ▶ Wide frequency range (for input A and B) 0,1Hz..15kHz
- ▶ Ability to transfer to computer with Rs485 Mbus RTU and change parameters with remote access
- ▶ Assigning 13 functions for buttons
- ▶ Assigning 18 functions for Logical and Logic2 inputs
- ▶ Locking keys from program or Logic inputs
- ▶ Easy programming menu
- ▶ Assign 17 functions for each of the two relays
- ▶ Option to manually operate relay outputs from button and terminal inputs
- ▶ Adjustable on and off delay for relay outputs
- ▶ Assigning relay outputs independently for Input A and B

DISPLAY AND LED INDICATORS

Display:

6 digit 9mm kırmızı,6 digit 9mm sarı 7 segment LED displa

LED:

3mm Red LED, relay 1 indicator
3mm Yellow LED, relay 2 indicator
3mm Red-Green LED, communication (Green Receive, Red Transmit)

Boyutlar

72x72x90mm Terminals included. (IP/65-ABS)

Ağırlık

300 gr.

CONNECTION

