

CÔNG TY TNHH THƯƠNG MẠI DỊCH VỤ DLK

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CATALOG KỸ THUẬT · JOHNSON CONTROLS

Đồng hồ đo lưu lượng điện từ KEN

và đồng hồ BTU KHN · DN25–DN600

KEN Johnson Controls – đồng hồ đo lưu lượng điện từ (KEN) và đồng hồ đo năng lượng BTU (KHN) DN25–DN600, cấp chính xác 0,5, Modbus RTU, 4–20 mA.

Mã: KEN · Hãng: Johnson Controls · Hotline: 093 797 2339

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Flow Meter and BTU Meter

KEN Series Electromagnetic Flow Meter

Johnson Controls KEN series Inline Electromagnetic Flow Meters measure flow rate or flow speed of electrically conductive liquids in wide application of chiller plant, air side equipment, raw water metering, water distribution, and sea water etc.

KHN Series Electromagnetic BTU Meter

Johnson Controls KHN series Inline Electromagnetic BTU Meters are used to measure the cooling or heating capacity in wide application of chiller plant, air side equipment, and heat transfer station etc.

Features

Premium measuring accuracy:

deliver high measuring accuracy to enable users to save the energy or water consumption.

Robust and reliable design:

no moving parts, a long maintenance-free life under through its operation period.

Easy operation & maintenance:

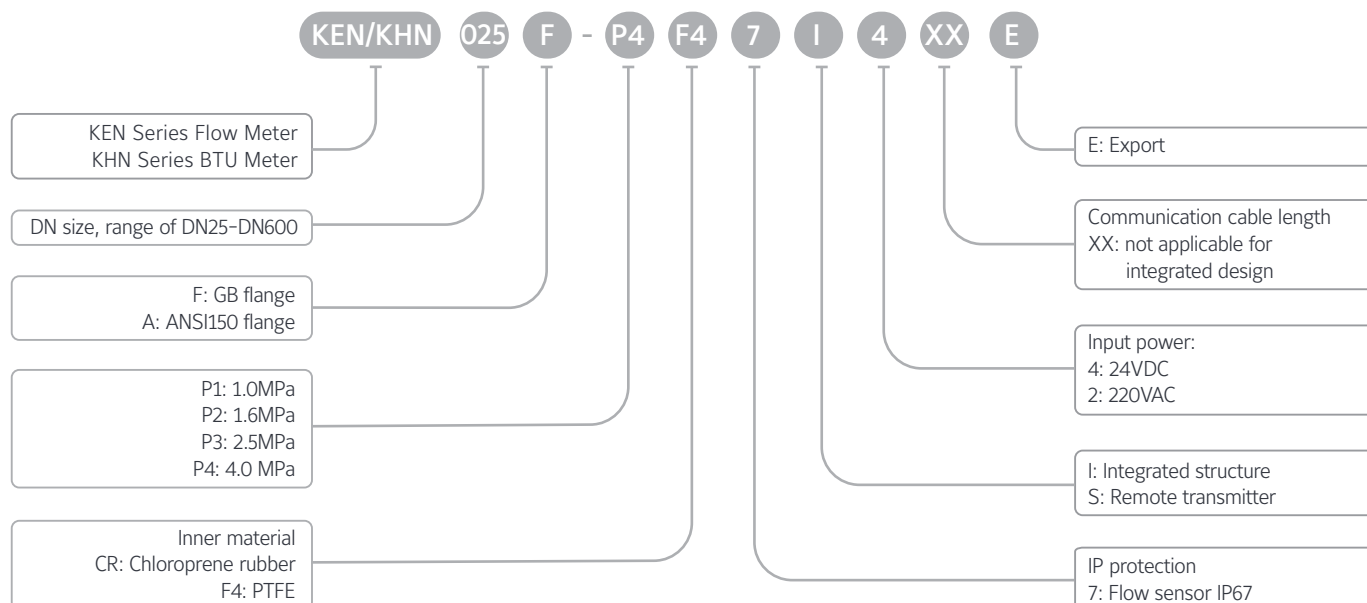
Each meter is calibrated and programmed before shipment. The product is standard with LCD display for local operation, or remote operation communicating to building automation systems. Its type 316L stainless steel electrode material and various inner material options enable the meter to be free- maintenance in applications. Two PT1000 temperature sensors are in standard offering package.

Wide application range:

cover multiple wide applications to measure the flow rate of liquid. The flow meter can operate at ambient temperature range of -25°C ~ 60°C , and liquid temperature is up to 120°C .



Product Selection



Technical data sheets

Specifications	
Accuracy	Class 0.5 (Flow meter)
	Class 2 (BTU meter)
Repeatness	0.17%
Flow type	Liquid electrical conductivity $\geq 20 \mu S/cm$
Size range	DN25~DN600
Working pressure	1.0~4.0MPa according to DN size
Pipe connection	GB or ANSI flange (option)
Input power	24VDC
	220VAC
Output	4~20mA analog
	Modbus RTU (RS485)
Transmitter IP protection class	IP67
Flow sensor IP protection class	IP67
	IP68 (for remote structure)
Construction	
Sensor housing	Carbon steel
Pipe connection	Carbon steel
Inner material	Chloroprene rubber
	PTFE
Measuring electrodes	Type 316L stainless steel
Working condition	
Operating ambient temperature	-25°C~60°C
Storage ambient temperature	-40°C~60°C
Liquid temperature	-10°C~60°C (CR inner material)
	-20°C~120°C (PTFE inner material)
Electrical connections	
Cable entry	M20x1.5
Certificate	CE

Flow Meter and BTU Meter

Key Product List

Flow meter SKU	BTU meter SKU	DN	Inner material	PN(mPa)	Vnormal (m³/h) (Flow rate 0.5-5m/s)	Vmin (m³/h)	Vmax (m³/h)
KEN025F-P4F47IXXE	KHN025F-P4F47IXXE	DN25	PTFE	4.0	0.88-8.8	0.88	17.6
KEN032F-P4F47IXXE	KHN032F-P4F47IXXE	DN32	PTFE	4.0	1.45-14.5	1.45	29
KEN040F-P4F47IXXE	KHN040F-P4F47IXXE	DN40	PTFE	4.0	2.3-23	2.3	46
KEN050F-P4CR7IXXE	KHN050F-P4CR7IXXE	DN50	CR	4.0	3.5-35	3.5	70
KEN050F-P4F47IXXE	KHN050F-P4F47IXXE	DN50	PTFE	4.0	3.5-35	3.5	70
KEN065F-P4CR7IXXE	KHN065F-P4CR7IXXE	DN65	CR	4.0	6-60	6	120
KEN065F-P4F47IXXE	KHN065F-P4F47IXXE	DN65	PTFE	4.0	6-60	6	120
KEN080F-P4CR7IXXE	KHN080F-P4CR7IXXE	DN80	CR	4.0	9-90	9	180
KEN080F-P4F47IXXE	KHN080F-P4F47IXXE	DN80	PTFE	4.0	9-90	9	180
KEN100F-P2CR7IXXE	KHN100F-P2CR7IXXE	DN100	CR	1.6	14-140	14	280
KEN125F-P2CR7IXXE	KHN125F-P2CR7IXXE	DN125	CR	1.6	22-220	22	440
KEN150F-P2CR7IXXE	KHN150F-P2CR7IXXE	DN150	CR	1.6	32-320	32	640
KEN200F-P1CR7IXXE	KHN200F-P1CR7IXXE	DN200	CR	1.0	56-560	56	1120
KEN200F-P2CR7IXXE	KHN200F-P2CR7IXXE	DN200	CR	1.6	56-560	56	1120
KEN250F-P1CR7IXXE	KHN250F-P1CR7IXXE	DN250	CR	1.0	88-880	88	1760
KEN250F-P2CR7IXXE	KHN250F-P2CR7IXXE	DN250	CR	1.6	88-880	88	1760
KEN300F-P1CR7IXXE	KHN300F-P1CR7IXXE	DN300	CR	1.0	127-1270	127	2540
KEN300F-P2CR7IXXE	KHN300F-P2CR7IXXE	DN300	CR	1.6	127-1270	127	2540
KEN350F-P1CR7IXXE	KHN350F-P1CR7IXXE	DN350	CR	1.0	170-1700	170	3400
KEN350F-P2CR7IXXE	KHN350F-P2CR7IXXE	DN350	CR	1.6	170-1700	170	3400
KEN400F-P1CR7IXXE	KHN400F-P1CR7IXXE	DN400	CR	1.0	220-2200	220	4400
KEN400F-P2CR7IXXE	KHN400F-P2CR7IXXE	DN400	CR	1.6	220-2200	220	4400
KEN450F-P1CR7IXXE	KHN450F-P1CR7IXXE	DN450	CR	1.0	280-2800	280	5600
KEN450F-P2CR7IXXE	KHN450F-P2CR7IXXE	DN450	CR	1.6	280-2800	280	5600
KEN500F-P1CR7IXXE	KHN500F-P1CR7IXXE	DN500	CR	1.0	350-3500	350	7000
KEN500F-P2CR7IXXE	KHN500F-P2CR7IXXE	DN500	CR	1.6	350-3500	350	7000
KEN600F-P1CR7IXXE	KHN600F-P1CR7IXXE	DN600	CR	1.0	500-5000	500	10000
KEN600F-P2CR7IXXE	KHN600F-P2CR7IXXE	DN600	CR	1.6	500-5000	500	10000

Note: KEN/KHN·····XXD: first X means product power supply, 24VDC/220VAC can be chosen, the second XX means length of remote cable, only for remote type products.



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