

High-performance, widespread, diaphragm-type smart meter NX-U™

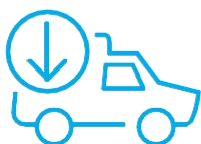
Automatic recovery function supports early recovery in the event of an earthquake



Built-in pressure sensor contributes to stable supply



U-bus communication reduces travel costs



Load survey function to support energy deregulation



Quick restart function after an earthquake

When a tremor equivalent to an intensity 5 or higher is detected, gas is shut off and shut off. The system automatically checks for leaks, and if there are no gas leaks, gas can be used.

Earth-friendly meter

Reusing meter cases can contribute to the reduction of industrial waste.

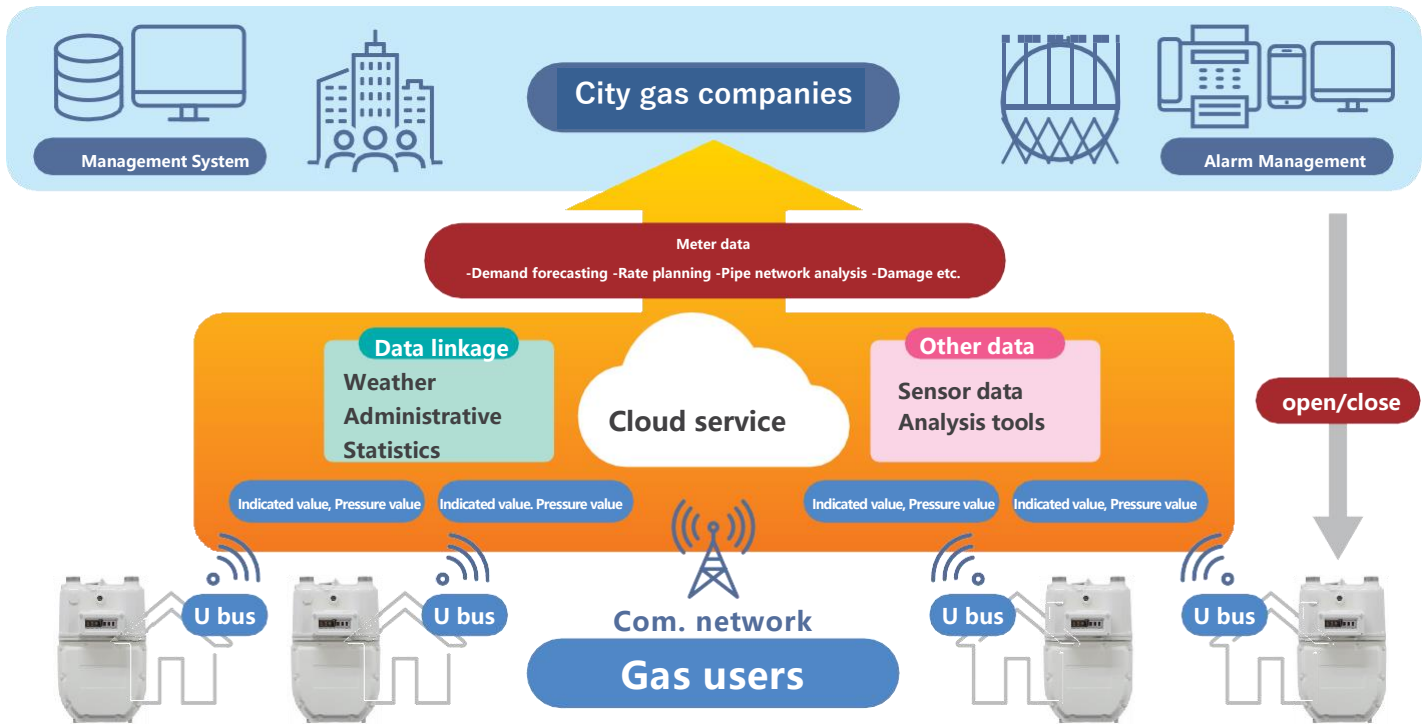
Reduces travel costs

The ability to remotely perform meter reading and open/close valve operations eliminates the need for on-site visits and streamlines operations.

Responding to energy deregulation

Services can be implemented to provide gas users with new rate menus and usage data.

NX-U" and "Cloud Service" connect businesses and users





Main Specifications

Model	NX-U4	NX-U6
Accuracy	$\pm 1.5(0.05Q_{max} \sim 0.1Q_{max} = \pm 3\%)$	
Max. op. flow rate	4m ³ /h	6m ³ /h
Max. op. pressure	3.5kPa	
Connection	M34 × 1.5(20A)	
	W36.3 Thread 11.5(20A)	
	W36.9 Thread 11(20A)	
Cap center distance	130mm	
Direction of flow	Left Inlet	
Max indication	9999.999m ³	
Min. scale	0.2L	
Operating environment t°	-20°C ~ +60°C	
Weight	4.4kg	

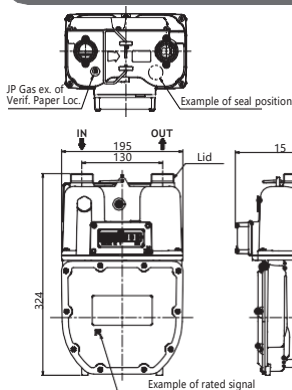
Security function

Spec	Reason for action	NX-U ※ LED Pattern Display
Shutoff	Total flow over	3
	Individual max flow over	3
	Continuous use time exceeded	2
	Flow detect. during shutdown	Show previous event
	Seismic Input	1
	Pressure drop input	1
	Pressure rise input	1
	External signal input	1
	Leakage during restart	3
	Center equipment signal	1
Alarm or Interrupt	Battery voltage drop	4
	Internal leak detection	4
Check	test switch	3

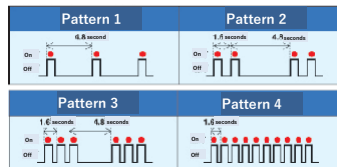
Comparison of "NX-U" and conventional products

Model	NX-U	NS□□
		
Totalizer	mechanical	←
Possible traffic	Less than 1L/h (actual perf. value)	←
Flow detection method	reed switch	←
Pressure detection method	Pressure sensor	pressure switch
shut-off valve	Motor valves (bidirectional)	Solenoid type (one-way valve)
Seismic disruption automatic restart	Yes	×
Security section	Red LED	
	Alarm/event: Pattern indication by blinking LED	
Security Display	LED (1 light)	←
Re-notification of internal pipe leakage alarm	No inner pipe leakage is determined when no gas flow continues for 1 hour, and inner pipe leakage is determined for 30 consecutive days.	←
Internal pipe leakage re-notif. alarm	Yes	No
Pressure rise cutoff	Yes	No
Perm. battery undervolt. shutdown	Yes	←
shutoff history	Yes (5 times)	←
Alarm History	Yes (included in shutdown history)	←
Restart leak confirmation method	Flow detect. method + pressure detect. method, Confirmation time 2 min.	Flow detection method Confirmation time 3 min.
Load survey	Yes	Yes (only for increased flow pulse)
Snap measurement (pressure value at set time)	Yes	No
demand usage	Yes	No
communication format	U bus	Line A (8-bit), Line B (for HA board)
communication frequency	Once a day	Line A: once every 7 days (500 times in 10 years) Line B: 3 times a day (10,000 times in 10 years)

Drawing



※ LED Pattern Display



※ External dimensions and face-to-face dimensions are the same as those of conventional diaphragm meters.

. NX-U is a trademark of Azbil Kimmon

. The information in this catalog is current as of February 2022. These specifications are subject to change without notice for performance improvement.