

TOYOKEIKI CO., LTD.

The STK25MI-NB is a diaphragm-type prepaid smart gas meter developed based on the STK25MT, a smart gas meter with over 30 years of sales history in Japan.

The STK25MI-NB is an advanced model derived from the STK25MI, an NFC-based prepaid model with over 10 years of operational experience, and adds NB-IoT communication alongside NFC.

It is equipped with the same multiple safety functions as the STK25MI.

Depending on installation conditions, the prepaid system can be operated via either NFC or NB-IoT communication.

Gas Meter Specifications		
Model		STK25MI-NB
Maximum flow rate		2.5 m ³ /h
Absolute maximum pressure		30 kPa
Maximum index		9,999.999 m ³
Minimum index		0.02 L
Cyclic volume		0.7 L
Maximum pressure drop at maximum flow rate		200 Pa
Error rate	Accuracy class	1.5
	0.016 ~ 0.25 m ³ /h	+/- 3 %
	0.25 ~ 2.5 m ³ /h	+/- 1.5 %
Meter body		Diecast aluminum
Dimensions	Height (H)	251 mm
	Width (W)	141 mm
	Depth (D)	140 mm
Span between inlet and outlet		90 mm
Connection pipe		15A, 20A
Sensors	Seismic	Detect JMA seismic intensity 5 or stronger
	Leak	By flow measurement
Operating temperature		-10 ~ 60 °C
Storage temperature		-20 ~ 70 °C
Ambient temperature		-10 ~ 60 °C
Gas temperature		-10 ~ 60 °C
Gas flow direction		Left to right
Data logging		93 x 24 + 366 points
Communication module		NFC card reader/writer module, NB-IoT module
LCD		7 digits and 9 indicators

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Gas Meter Specifications	
Ingres Protection	IP66 (JIS C 0920)
Battery	Lithium Metal Battery
Estimated battery life	Longer than 10 years (depend on the conditions)

