

STK25MI is the diaphragm type pre-paid gas meter based on STK25MT which is the well matured smart gas meter and long seller for more than a quarter century in Japan. STK25MI works as a normal diaphragm gas meter with several safety functions for post-pay use. The highlight of STK25MI is the pre-pay function and the embedded NFC card reader/writer. In combination with POS terminals, the Pre-Pay gas system is easily installed.

Gas Meter Specifications		
Model		STK25MI
Maximum flow rate		2.5 m <sup>3</sup> /h
Absolute maximum pressure		30 kPa
Maximum index		9,999.9999 m <sup>3</sup>
Minimum index		0.02 L
Cyclic volume		0.7 L
Maximum pressure drops at maximum flow rate		200 Pa
Error rate	Accuracy class	1.5
	0.016 ~ 0.25 m <sup>3</sup> /h	+/- 3 %
	0.25 ~ 2.5 m <sup>3</sup> /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 level 5 or stronger
	Gas pressure	Optional
	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		60 × 24 + 366 points

Model	STK25MI
Communication module	NFC card Reader/Writer module 3G/4G module (Optional) U-bus module (Optional)
LCD	7 digits and 12 indicators
Ingress Protection	IP66 (JIS C 0920)
Battery	Lithium Metal Battery
Estimated battery life	Longer than 10 years (depend on the conditions)

