Laison Prepaid Split STS Prepaid Gas

Product Overview

LAISON Split Type STS Prepaid Gas Meter with AMR/AMI function can realize prepayment function and remote semi-automatic/automatic meter data collection through integrated LoRa RF wireless Comm. Module inside.

For Prepaid Function, it complies with International STS Standard IEC 62055-41,51 and gets the STS certification. Customers can purchase gas through multiple methods (Vending Points, Agency, Customer Self-service, etc.), and obtain a 20 digit recharge token. By inputting the recharge token through Customer Interface Unit (CIU), the Gas Meter will be recharged successfully

Product Specifications

Anti-magnetic interference

- If external magnetic interference happens, the meter shall close the valve and record this event with exact time and event type

Low Battery Detection & Warning

- 2 Levels of Low Battery Warning
- Data auto-save & Valve Close when battery low

Dimensions

- H – 224mm
- D – 167mm
- W – 201mm

Technical Parameters

Parameters Model		G1.6	G2.5	G4.0
Nominal Flowrate (Q_n)	m³/h	1.6	2.5	4.0
Maximum Flowrate (Q_{max})	m³/h	2.5	4.0	6.0
Minimum Flowrate (Q_{min})	m³/h	0.016	0.025	0.040
Maximum Pressure Loss (P_{max})	Pa	$\leqslant 200$		
Working Pressure	kPa	$0.5 \sim 50$		
Working Temperature	°C	$-10 \sim +55$		
Storage Temperature	°C	$-20 \sim +60$		
Relative Humidity	%RH	$\leqslant 93\%RH$		
Cyclic Volume	dm³	1.2		
Permissible Error		$Q_{min} \leqslant Q < 0.1Q_{max}$		±3%
		$0.1Q_{max} \leqslant Q < Q_{max}$		±1.5%
Max. Reading of the Counter	m³	99999.999		
Pulse Equivalent	m³	0.01		
Case Material		Aluminum Body/Steel Body		
Protection Level		IP66		
Power Supply	V	Lithium Battery DC3.6V		
Battery Lifespan	years	$\geqslant 6$ years		