



ALPHA METERING
PTY (LTD) • UTILITY MANAGEMENT

User Manual of Prepaid Gas meter



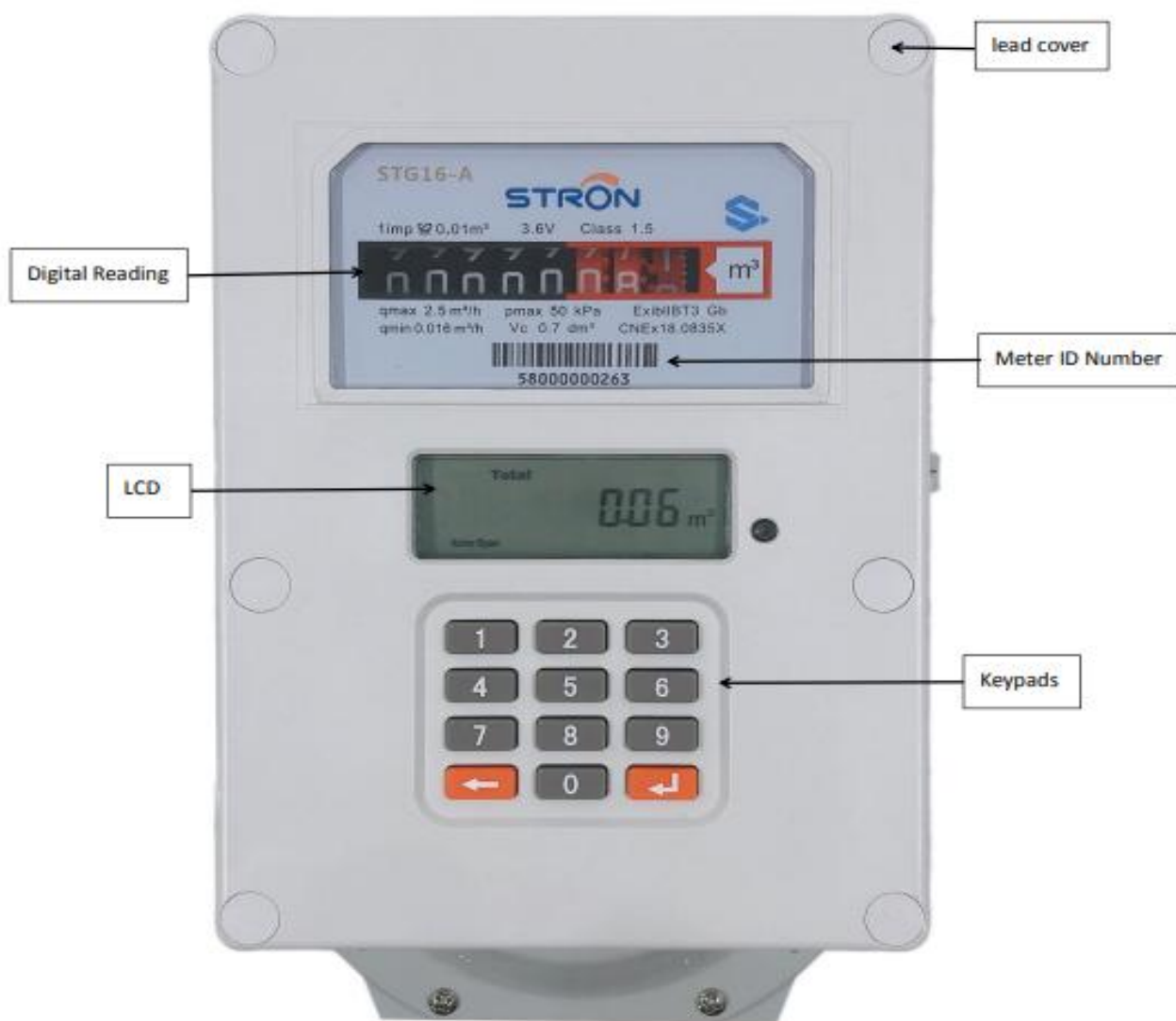
Hunan Stron Smart Co.,Ltd.

User Manual of STG16-B Prepaid Split Keypad Gas Meter

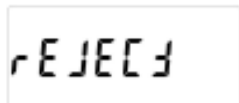
Hunan Stron Smart Co., Ltd

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1. Appearance and Structure



5. Liquid Crystal Display(LCD)

No.	Description	LCD
1	"ACCEPT": It means that the Token could be accepted by gas meter.	
2	"REJECT": It means that the Token refused by gas meter, the Token may not for the meter ID or the Token has at least one input errors.	
3	"USED": It means that the input Token has been used before and cannot be reused.	
4	"OLD": It means that the input Token is expired and need to generate new token.	
5	"NULL": It means the input command is not defined.	
6	It means the meter battery is low power or the battery is disconnected.	
7	It means the meter valve is in the open state currently.	
8	It means the meter valve is closed currently.	

6. Short Codes and Error Warnings

Display number	Item	Display number	Item
00	Update the reading data(01.06.07) from gas meter (m ³)	01	Cumulative gas consumption (m ³)
06	Cumulative purchased amount (m ³)	07	Residual amount (m ³)
65	The first 6 digits of meter or CIU ID number	66	The last 6 digits of meter or CIU ID number
98	Current program version V2.9		
Errors			
CIU display: "Err—01"		It means the communication between meter and CIU is failure.	
CIU display: "Err—02"		It means there's distraction from same frequency, influenced the communication between meter and CIU.	
CIU display: "Err—03"		It means there's multiple meters with the same meter ID number are communicating with CIU in this range.	
Gas meter display: "Err—06"		It means the entered token is missed one or more digits.	
Gas meter display "ACTErr1"		It means there's a measurement error or the signal distracted by the magnetic field.	
Gas meter display "ACTErr2"		The battery is removed or there is no battery.	
Gas meter display "ACTErr5"		The valve is abnormal.	

7. Customer Interface Unit(CIU)

7.1 Appearance



①LED indicators :

“Credit” : When the credit balance is sufficient, it shows green light; when the balance is 0, it shows red light.

“Alarm” : Warning light, when the meter in the tamper state or the balance is zero, it shows yellow light.

“Comm” : Signal light, it’ s turned on when communicate with CIU or DCU successfully.

7.4 Communications

①Make sure the ID of CIU is same with meter.

②The distance between meter and CIU is within 350m.(Concrete walls, tall buildings will reduce communication distances).

③Keep enough power to use CIU.

④Errors.

LCD shows “Err—01”	It means the communication between meter and CIU is failure.
LCD shows “Err—02”	It means there’ s distractionfrom same frequency, influenced the communication between meter and CIU.
LCD shows “Err—03”	It means there’ s multiple meters with the same meter ID number are communicating with CIU in this range.

8. Questions and Answers

Q: Why the valve is closed when we receive the Gas meter and want to install it for a test?

A: After leaving the factory, the valve of gas meter is closed, the residual credit is 0. We need to clear tamper and recharge for gas meter to make the valve be opened.

Q: Why the cumulative gas consumption, purchased amount and residual amount checked on CIU is different with what we checked on gas meter?

A: The CIU can't read the meter data automatically. Every time we input "00+Enter", the CIU will update the current data from meters.

Q: Why the gas meter display errors when we receive it?

A: The gas meter may caused the error during transportation. It can work normally after inputting a clear tamper token and recharge token.

Q: Why we can't use the CIU communicate with gas meter?

A: The gas meter and CIU are strictly tested before delivery, someone may modify the CIU ID number by mistake. What we need to do is input "65+Enter" and "66+Enter" to check if the CIU ID number is same with the gas meter. If it's same, it's the problem of the communication module, it may be damaged on the shipment; If it's different, we need to change the ID number for CIU to keep it same as gas meter. Please find stron staff to change it.