

# RS-232 To TTL Converter User Manual Model No. GM-1010-B

## I . Outline

In order to facilitate the external equipment with standard serial interface or Data communication between intelligent instruments, must be the standard serial interface The mouth of the conversion. GM-1010-B interface converter RS-232C can be string Line interface to send data (TXD) and receive (RXD) signal Convert TTL / COMS compatible levels, converted to TTL level 0-5V, no external power supply uses a unique "RS-232 charge pump Available to power the drive, do not need to rely on the RS-232 serial port is initialized, Ministry with zero delay automatic transceiver conversion, unique I / O circuit is automatically controlled System data flow direction, without any handshaking signals (such as RTS, DTR, Etc.), thus ensuring the RS-232 in full-duplex mode, a program written in Need to change can be run in the TTL mode, to ensure suitable for the existing operation For the software and interface hardware, the converter trans fer rate of 300bps-115.2Kbps.

## II . Capabilities parameter

1. Interface Features: Interface is compatible with EIA / TIA standard RS-232C TTL / COMS
2. Electric interface: RS-232 end DB9 hole connector, TTL end DB9 needle connector
3. Working mode: Asynchronous full-duplex
4. Transmission media: twisted -pair or STP
5. Transmission rate: 300bps-115.2Kbps
6. Dimensions: 63mm × 34mm × 18mm
7. Working circumstance: -40°C to 85°C, relative humidity 5%-95%.
8. Transmission distance: 5Meter

## III. Connector and signal

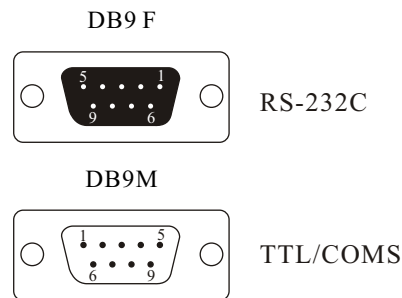
### RS-232C Pin Distribution

DB9 Female (PIN)	RS-232C Interface Signal
1	DCD
2	Send data SOUT (TXD)
3	Receive data SIN (RXD)
4	DTS
5	Signal grounding GND
6	DTR
7	RTS
8	CTS
9	RI

### TTL output signal pin distribution

DB9 Male (PIN)	Output signal	TTL Output ( 5V)
1	RXD	Receive Data
2	TXD	Send Data
3	None	None
4	None	None
5	Grounding	Grounding
6	+5V	+5V power input backup
7,8,9	None	None

## IV. Electric interface



## V. Dimensions

