

### 3. PANELS

#### 3.1 Front Panel:

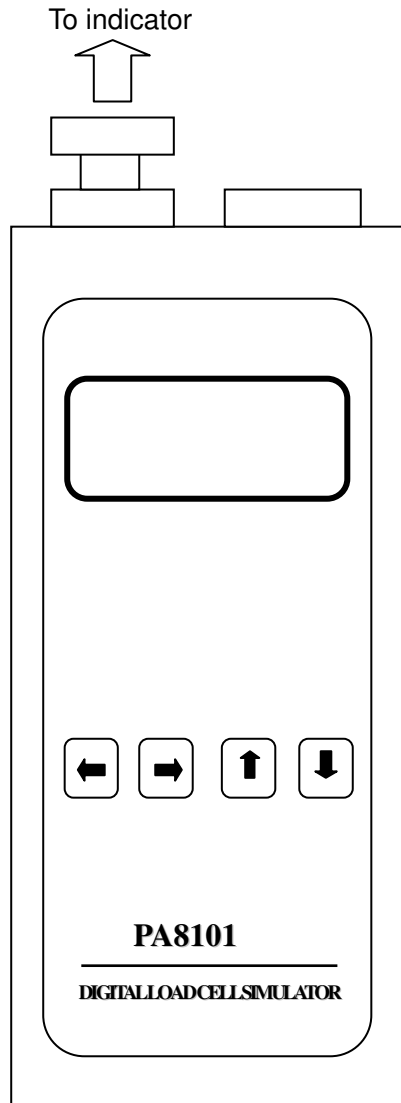


Fig. 1

#### Back Panel:

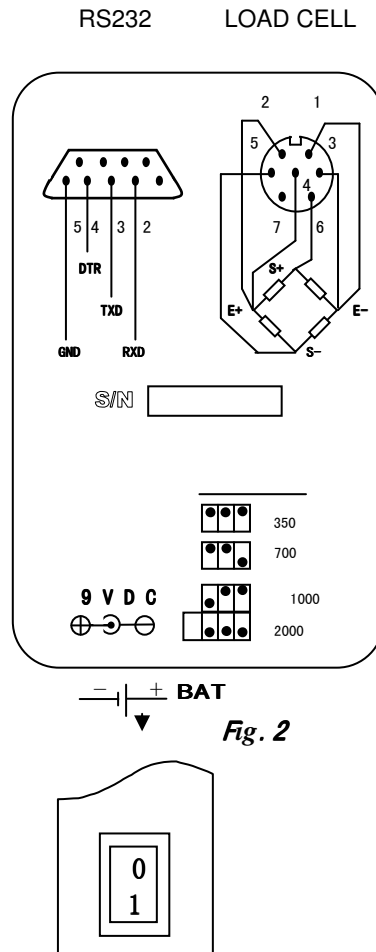


Fig. 2

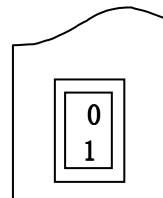


Fig. 3

#### 3.4 RS232 serial output (9 pin) wiring:

- 2 → RXD
- 3 → TXD
- 4 → DTR
- 5 → GND

### 6. RS-232C COMMUNICATION

#### 6.1 RS 232C wiring:

Signal Generator		Serial Port of Computer		
X2	Line	25 pins	9 pins	Line
3	TXD	3	2	RXD
2	RXD	2	3	TXD
4	DTR	20	4	DTR
5	GND	7	5	GND

#### 6.2 RS-232C parameter settings:

- Baud rate: 2400/4800/9600;
- Check bit : None
- Stop bit: 1;
- Data bit: 8.

#### 6.3 Communication Protocol:

- Sign
- ESC 27 (decimal);
- CR 13 (decimal);
- LF 10 (decimal);
- XXXX — signal, in hexadecimal;
- xxxx — step length, in hexadecimal.

#### 6.4 Communication Rules:

- Signal transmit range: -3.1000~+3.1000mV/V

Step length transmit range: 0.0001~1.0000mV/V

Decimal point is fixed, none transmit.

Characters transmitted are “0, 1, 2, 3, 4, 5, 6, 7, 8, 9, S, s, : ”

Transmit from higher byte to low, the front is for signal; the following 5 bytes are for step length.

For example:

Signal is +2.1234 and step length is 0.1000, then transmit as below,

ESC S: +21234 s: 01000 CR LF