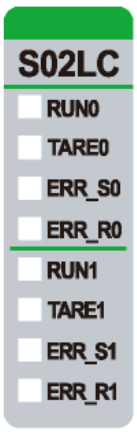
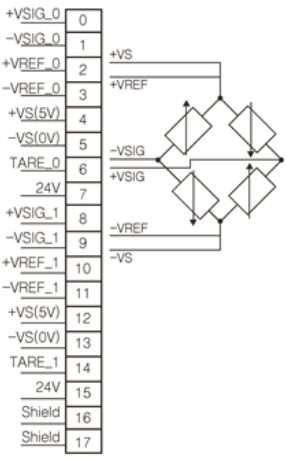
URS-02LC-8 (S02LC) - 2 CH Load Cell input

Items	Specification
Number of channels	2 channels, Strain gauge input
Input type	Resistor bridge, Strain gauge
Indicators	Run 0,1 / Tare 0,1 Error_Sig.voltage 0,1 / Error_Ref.voltage 0,1 8 Green LED
Input range V_{SEN}	-150mV ~ +150mV
Input range V_{REF}	0 ~10V
Interanl resistance	> 1 MΩ (V_{SEN}, V_{REF})
Measuring error	< ±0.1% Full Scale @ 25℃ ambient < ±0.3% Full Scale @ -40 ~ 60℃ ambient
Resolution	24bit, 32bit presentation
Conversion time	Max. 500us
Filter	Max. 64 samples filtering, parameterisable
Special features	Open load check, Tare, $5V_{DC}$ bridge supply
Voltage source	5V dc nominal **
Current rate	Max. 30mA
On-state voltage	24V dc nominal
Internal resistance	11.4k ohm
Power dissipation	Max. 25mA @ 5.0Vdc
Isolation	I/O to Logic : Photocoupler Isolation Field power : Non-Isolation
Field Power	Supply Voltage : 24Vdc nominal Voltage Range : 18~32Vdc Power Dissipation : Max. 25mA @ 24Vdc
Wiring	I/O Cable Max. 2.0mm^2(AWG 14)
Weight	63g
Module Size	12mm x 109mm x 70mm

1. Wiring Diagram





Pin No.	Signal Description	Pin No.	Signal Description
0	Bridge signal input voltage + #0	9	Bridge signal input voltage - #1
1	Bridge signal input voltage - #0	10	Bridge reference input voltage + #1
2	Bridge reference input voltage + #0	11	Bridge reference input voltage + #1
3	Bridge reference input voltage + #0	12	+5V(bridge supply)
4	+5V(bridge supply)	13	0V(bridge supply)
5	0V(bridge supply)	14	Tare input(24V) #1
6	Tare input(24V) #0	15	Field power(24V)
7	Field power(24V)	16	Shield
8	Bridge signal input voltage + #1	17	Shield

2. LED Indicators

LED No.	LED Function / Description	LED Color
0	Run #0	Green
1	Tare #0	Green
2	Error signal voltage #0	Green
3	Error reference voltage #0	Green
4	Run #1	Green
5	Tare #1	Green
6	Error signal voltage #1	Green
7	Error reference voltage #1	Green

Status	LED	Indication
Run	Off	G-bus fault / Not power supply
	On	Normal operation
Tare	Off	Taring calibration off (H/W or S/W)
	On	Taring calibration on (H/W or S/W)
Error signal voltage	Off	Normal operation
	On	Bridge signal input voltage range over / Open load
Error reference voltage	Off	Normal operation
	On	Bridge reference input voltage range over