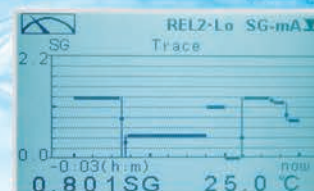
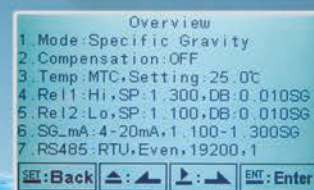
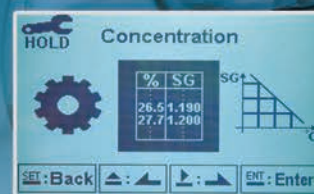


Intelligent Specific Gravity Transmitter

SG-2110-RS



Applications:

- 🔥 Electronics industry
- 🔥 Chemical industry

Features:

- 🔥 96 x 96mm Intelligent Specific Gravity/Baumé/Salinity/Concentration transmitter
- 🔥 Waterproof and dustproof design
- 🔥 Measuring unit: SG /°Bé / ppt / %
- 🔥 User-friendly operation with text and graphic illustration, clear signs and easy to understand
- 🔥 Measuring value can be selected for figure or chart display
- 🔥 Trace mode can display historical measured value curve from 3 minutes to 4 weeks programmable
- 🔥 Equipped with event logbook function
- 🔥 Large LCM display with auto-sense backlight and contrast setting function
- 🔥 Built-in Specific gravity-Concentration conversion table for setting, up to 10 points
- 🔥 Cell constant, Pure water, Known solution—3 types calibration
- 🔥 Simultaneous display of measurement value and temperature
- 🔥 Automatic temperature compensation for setting
- 🔥 Equipped with one analog output DC 0/4~20mA and RS-485 MODBUS interface
- 🔥 Hi/Lo, Hi/Hi, Lo/Lo selectable two limited contact outputs with programmable set-point and hysteresis
- 🔥 With password and multi-key design, enhanced security protection
- 🔥 LED indicated alarm
- 🔥 IP 65 (NEMA 4X)

Specific Gravity Sensor:

- 🔥 Load Cell & plummet principle
- 🔥 High accuracy & long lifetime of reliability
- 🔥 Wide range measurement
- 🔥 Anti-acid gas design

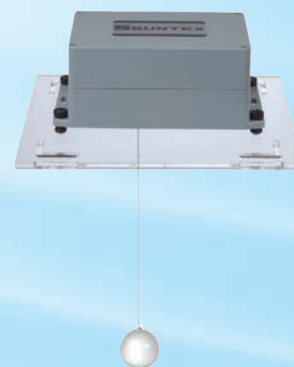


Illustration of load cell rack



Intelligent Specific Gravity Transmitter

SG-2110-RS

Specifications:

Model		SG-2110-RS
Measuring modes		Specific Gravity / Baumé / Salinity / Concentration / TEMP.
Measuring range	SG	0.000~2.200SG (with Standard Plummet) (The measuring range may depend on the density of chosen plummet)
	Temp.	-30.0~130.0°C
Resolution	SG	0.001
	Temp.	0.1°C
Accuracy	SG	±0.002 (±1 Digit)
	Temp.	±0.2°C (±1 Digit) with temperature error correction function
Unit conversion		Built-in SG value converts to Baumé (°Bé) or Salinity (ppt) or Concentration (%) value
Concentration table setting		Changeable SG/Concentration table according to solutions (Up to 10 points)
Temperature compensation		Manual or automatic temperature compensation, SG value temperature compensation at 20°C
SG temperature coefficient		SG coefficient of linear temperature compensation
Calibration mode		Zero point calibration and Span calibration (For both volume and weight of plummet)
Plummet constant		Settable plummet constant (1~99999), for calibrating both volume and weight of plummet
Ambient temperature		0~50°C
Storage temperature		-10~70°C
Display		Large LCM with sensitization sensor for auto/manual/touch-on illumination & contrast function
		Text mode: Numerical display
		Chart mode: 3 mins real-time dynamic graph
		Trace mode: Set up from 3 mins to four weeks duration of the measured value trend graph
Analog output		Isolated DC 0/4~20mA corresponding to measurement, max. load 500Ω
Serial interface		RS-485 (Modbus RTU or ASCII)
Logbook		50 event records
Setting	Contact	240VAC, 0.5A max. (recommend)
	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable
Power Supply		100~240VAC±10%, 4W max. , 50/60 Hz
Installation		Transmitter: Wall or Pipe or Panel mounting SG Sensor: According to field conditions for user self-installation
Dimensions		96 mm x 96 mm x 132 mm (H x W x D)
Cut out dimensions		93 mm x 93 mm (H x W)
Weight		Transmitter: 0.5Kg, SG Sensor: 0.7kg
Protection		Transmitter: IP 65 (NEMA 4X)

*The specifications and appearance of the instrument are subject to change without notice.

Standard accessories:

1. SG load cell sensor
2. SG Plummet
3. Load cell platform
4. Plummet tie line

Optional accessories:

1. Sensor cable
2. Temperature probe
3. Load cell sensor rack
4. Chemical-resistant coating plummet



Illustration of load cell rack



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