

SST Surface Interface Unit



Description

The SST SIU allows data collection from up to 32 SST Pz or Qz Permanent Downhole Gauges. The system incorporates a rugged sunlight-readable touch panel, with a wide operating temperature range. The IP65 / NEMA 4X is rated for outdoor, arctic, & desert applications.

The SST SIU has 32Gb of internal storage for memory logging of the retrieved data and incorporates a Modbus RTU, Ethernet and a 3G GSM Wi-Fi interface, thus allowing interface with other systems at the field location or remote monitoring via the internet.

The SST SIU runs the SST GaugeCom software which interrogates the gauges and can also be used for full setup programming of the system and the downhole gauges, eliminating the need for use of other computers. The SST SIU can be powered by a 110/240 VAC line voltage, external batteries, or by the SST SIU Solar Power Pack (SST SPP). Beyond data collection and logging of the down hole permanent gauges, the SST SIU also monitors and logs its internal temperature and can be configured to have up to 4 external analog or digital inputs for surface monitoring. The system auto-starts in the event of a power failure.



Applications

- Permanent monitoring of the well with SST Pz or Qz Gauges
- Reservoir production optimization
- ESP and gas lift optimization and monitoring
- Well stimulation and chemical treatment operations

Operating Specification

OPERATING SYSTEM	Windows 7
OPERATING APPLICATION	SST Gauge Com
OPERATING TEMPERATURE	-30° C – 65° C
INTERNAL MEMORY	32 Gb SSD
OS RAM	4G DDR3
DISPLAY	8.4 in. TFT LCD, 800 x 600 Sunlight Readable
INPUTS	SST Pz or Qz Gauge (32 max) 4 x Analog Inputs 4-20 ma / 0-10V Internal Temperature
INTERFACE	USB, 3G GSM WI-FI, Gigabit Ethernet, Modbus RTU
ENCLOSURE	NEMA 4X / IP65
DIMENSIONS (WxHxD)	12 in. x 10 in. x 6.75 in.