

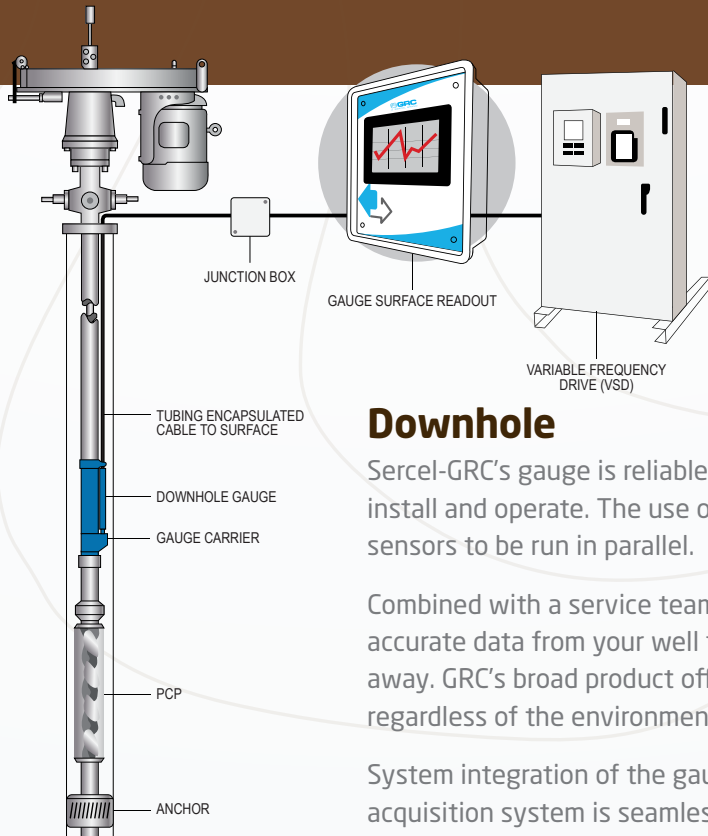
TEC GAUGES

MAXIMIZE YOUR PRODUCTION

For progressive cavity pump, sucker rod pump and gas lift applications, Sercel-GRC offers a full suite of monitoring solutions. Sercel-GRC's gauges are compatible with all types of completions. Our gauges incorporate Sercel-GRC's proprietary transducer technology, deliver superior reliability and ease of operation, helping safeguard your valuable investment and maximize your production for years to come.



www.sercel-grc.com | grc.global@sercel.com
 tel: (1) 918-834-9600 | fax: (1) 918-838-8846



Downhole

Sercel-GRC's gauge is reliable, rugged, durable and easy to install and operate. The use of FSK technology allows several sensors to be run in parallel.

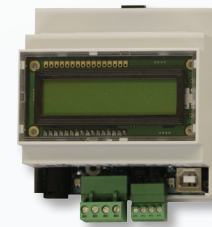
Combined with a service team of experienced professionals, accurate data from your well to your desktop is just a click away. GRC's broad product offering is designed for reliability regardless of the environment.

System integration of the gauge and your current data acquisition system is seamless. Sercel-GRC products are engineered with a fit-for-purpose design that can meet your budget requirements. Installing a Sercel-GRC gauge provides you the comfort in knowing the industry's standard in reliable, accurate, artificial lift monitoring at lowest total cost of ownership technology is at work for you 24/7.



Data Pro

Power Requirements	100 to 240 vac (12 - 24VDC)
UL Temperature	-20°C to +60°C
Display	7" Touch Screen LCD (Res. 800 x 480 px)
Enclosure	NEMA 4x Rated
Analog Inputs	3 x 0-15VDC or 0-64mA
Analog Outputs	2 x 4-20mA (15-bit resolution)
Alarm	2 x Latching SPDT dry contacts
USB Ports	1
Relay Outputs	5A @ 250VDC / 30VDC
Ethernet Ports	2 (Modbus, TCP/IP or SFTP)
Modbus Ports	1 x RS-485 (non-isolated) 2 x RS-232 (non-isolated) 1 x RS-485 or RS-232 (isolated)
Storage Capacity	5GB Internal



FIC-1500

Power	12-26vdc, 100mA fused
Operating Temp	-17°C to +65°C
Enclosure	Din rail mount, indoor use only 3.5"W, 3.7"L, 2.3"H
Communication	Modbus, 1200 to 19200 baud
Modbus Port	RS-485 isolated, USB
Display	2x16 character backlit LCD
Electrical Access	4 post power/gauge terminal block 4 post modbus terminal block USB connector Easy access to fuse



TEC GAUGES

Downhole Specifications

Key Benefits:

- Multi-Gauge Options
- Field-Proven, Rugged, Accurate, and Reliable
- Reduces Dry Pumping

- Prevents Premature Pump Failure
- Provides Real-Time Downhole Monitoring
- Increases Run Life of Equipment
- Maximizes Production
- World-Wide Service and Support

	C-SERIES Rugged Dependability				P-SERIES Slim Applications / Economical		Q-SERIES Superior Accuracy
SPECIFICATIONS	4000	4500	5000	5500	4000	4500	Q-4000***
INTAKE PRESSURE							
Pressure	*0 - 5,000 psi	*0 - 5,000 psi	*0 - 5,000 psi	*0 - 5,000 psi	0 - 5,000	0 - 5,000	*0 - 16,000 psi
Pressure Accuracy	**0.1% FS	**0.1% FS	**0.1% FS	**0.1% FS	0.05% FS	0.05% FS	**0.02% FS
Pressure Resolution	0.1 psi	0.1 psi	0.1 psi	0.1 psi	0.01 psi	0.01 psi	0.01 psi
DISCHARGE PRESSURE							
Pressure			*0 - 5,000 psi	*0 - 5,000 psi			
Pressure Accuracy			**0.1% FS	**0.1% FS			
Pressure Resolution			0.1 psi	0.1 psi			
INTAKE TEMPERATURE							
Max Temperature	150° C	150° C	150° C	150° C	150° C	150° C	150° C
Temperature Accuracy	1.0° C	1.0° C	1.0° C	1.0° C	0.3° C	0.3° C	0.2° C
Temperature Resolution	0.1° C	0.1° C	0.1° C	0.1° C	0.01° C	0.01° C	0.01° C
DISCHARGE TEMPERATURE							
Max Temperature			150° C	150° C			
Temperature Accuracy			1.0° C	1.0° C			
Temperature Resolution			0.1° C	0.1° C			
VIBRATION		X,Y AXIS		X,Y AXIS		X,Y AXIS	
Vibration Range		0-18g		0-18g		0-18	
Vibration Accuracy		1%		1%		1%	
Vibration Resolution		0.055g		0.055g		0.055g	
MECHANICAL							
Transducer	Gap Capacitance	Gap Capacitance	Gap Capacitance	Gap Capacitance	Piezo Resistive	Piezo Resistive	Quartz
Gauges In Parallel	Up to 6	Up to 3	Up to 3	Up to 2	Up to 6	Up to 3	Up to 6
Configuration	On or thru tubing	On or thru tubing	On or thru tubing	On or thru tubing	On or thru tubing	On or thru tubing	e-line, on tubing or thru tubing
Housing Material	17-4 PH	17-4 PH	17-4 PH	17-4 PH	17-4 PH	17-4 PH	Inconel

*Other pressure ranges available upon request (5K psi, and 10k psi).
Printed in USA. Sercel June - 17 - information subject to change without notice.

**Curve fit

***1/10 sec. sample rate available

NOTE: 4000 & 4500 gauges can be used in multi-gauge, in-line setup.

www.sercel-grc.com | sales@sercel-grc.com tel: (1) 918-834-9600 | fax: (1) 918-838-8846

