



## Pressure, Level & Temperature Transmitters & Transducers

2770 Long Road, Grand Island, NY 14072 USA

Tel. (716) 773-9300 • Fax (716) 773-5019

sales@gp50.com • www.gp50.com

### SANITARY TANK LEVEL TRANSMITTER

#### Model 385

A variable capacitance all-welded type 316L stainless steel differential pressure sensor is the heart of this transmitter. It provides true gauge pressure measurement and allows full washdown without cumbersome vent tubes.



74-03  
Cert no. 668

#### FEATURES:

- Complies with 3A standard 74-03
- Nema 6X rated enclosure
- Adaptable to all standard receivers

#### PRESSURE RANGES:

- From 0-20" wc to 0-50 psig

#### ACCURACY:

- From 0.1% FSO to 0.5% FSO

#### WIRING:

A/1 RED	+EXC./SIGNAL
B/2 GREEN	NC
C/3 WHITE	NC
D/4 BLACK	-EXC./SIGNAL
E/5 BLUE	NC
F/6 BROWN	NC
SHIELD	OPEN

#### 385

#### Accuracy:

Static Error (Includes Hysteresis, Non-linearity, Non-Repeatability)

- **Series B:**  $\pm 0.5\%$  FSO (RSS)
- **Series C:**  $\pm 0.2\%$  FSO (RSS)
- **Series D:**  $\pm 0.1\%$  FSO (RSS)

#### Temperature Limits:

- Compensated: 0° F to +180° F
- Operating: -20° F to +200° F

#### Temperature Compensation:

- Effect on Zero / Span: Less than  $\pm 2.0\%$  FSO/100°F for each

#### Electricals:

- Excitation Voltage: 13-37 Vdc
- Output at 70° F: 4-20 mA  $\pm 2\%$  FSO
- Load Impedance: 1200 ohms max. at 37 Vdc & 600 ohms max. at 24 Vdc
- Zero Balance: 4.0 mA  $\pm 2\%$  FSO at 70°F
- Resolution: Infinite
- RFI: Protection Included

#### Mechanicals:

- Proof Pressure: 3 X full scale pressure
- Burst Pressure: 6 X full scale pressure
- Enclosure: All-welded type 316 SST. Rated NEMA-4x. (3A 74-03 compliant)
- Weight: 29 oz. nominal
- Identification: Etched into body.

#### Connections:

- Pressure: Fits standard GP:50 flush mounted weld receiver (see options for King-Gage crossover)
- Electrical Cable: 1/2" NPT (M) vented thread with 20' Belden 9536, 6' conductor cable or equivalent.

#### Wetted Parts:

- Type 316 SST

A5SL-385.00 Rev B

GP:50 reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.



# Pressure, Level & Temperature Transmitters & Transducers

2770 Long Road, Grand Island, NY 14072 USA

Tel. (716) 773-9300 • Fax (716) 773-5019

sales@gp50.com • www.gp50.com

## SANITARY TANK LEVEL TRANSMITTER

### Model 385

#### SERIES (Accuracy)

- B 0.5% FSO
- C 0.2% FSO

#### PRESSURE RANGE

##### PSI

PC	1	PP	15
PE	2	PR	20
PG	3	PT	30
PJ	5	PV	50
PL	7.5	SZ	Other
PN	10		

#### IN WC

XB	20	XM	150
XC	25	XO	200
XD	30	XQ	300
XF	50	XS	500
XH	75	XU	750
XK	100	XW	1,000

#### PRESSURE PORT

- LK Short, fits receiver P/N: 4A7-14.5-2  
(Matches King-Gage P/N 5701-1-xx)
- LL Standard, fits receiver P/N: 4A7-14.3-2  
(Matches King-Gage P/N 5702-1-xx)
- LM Long, fits receiver P/N: 4A7-14.1.2  
(Matches King-Gage P/N 5703-1-xx)

#### OPTIONS

- AA Standardized Output to  $\pm 0.5\%$  FSO
- GB Alternate pressure range, pressure units, or full scale outputs that are non-standard.
- GE Improved temperature compensation to  $\pm 0.5\%$  FSO/100°F for zero & span respectively.
- GF Expanded process temperature range, -65 to 250°F ( $\pm 2.0\%$  FSO/100°F.)
- GJ Add can mounted. Zero/Span controls (approx.  $\pm 20\%$  FSO adjustment)
- JH Remote cable mounted zero and span controls. 3' cable on open side. Cable on closed side as required.
- JV Voltage surge (lightning) protection.
- JY Zero balance electronic clamp to prevent transmitter signal from dropping below 4.0 mA.
- GZ Custom special

#### NOTE:

Specifications reflect standard product, improved performance / mechanical options available.

Modifications may alter specs, consult factory for more information.

