



PRESSURE TRANSMITTER

K – 704
K – 705

- **K-704 : 316 SS SENSOR** ● **K-705 : CERAMIC SENSOR** ●
- **2-WIRE TRANSMISSION** ● **ALL STAINLESS STEEL ENCLOSURE** ●
- **FULL SCALE LINEARITY** ● **NON-POLARIZED DC POWER CONNECTION** ●



STD. DIRECT ON-LINE



FLUSH MOUNT SCREWED



FLUSH MOUNT FLANGED

SWITZER K-704 / K-705 Electronic Pressure Transmitters are low cost, sleek design and of rugged construction for a wide industrial application. Very low

ranges to high ranges available to suit various industrial applications. Proven sensors offer high accuracy and repeatability.

GENERAL SPECIFICATIONS

Design	2-wire	Response Time	< 100 mSec.
Sensor		Load Capability	750 Ohms @ 24V DC
K – 704	Piezo resistive element — 316 SS Diaphragm Sensor	Connection	
K – 705	Piezo resistive element — Ceramic Sensor	Process	Standard : 1/4" NPTM Flush Mount : Flange 1½" 150 RF or Threaded 1" NPTM
Enclosure		Electrical	4-way DIN Plug-in-Connector with solder terminals
Style	GC	Temperature Limits	
Material	304 SS	Process	
Protection	Weatherproof to IP:65	K – 704	(-) 20 to 125°C for all ranges <i>except</i> (-) 20 to 85°C for Flush Mount and (-) 20 to 70°C for Low Pressure range Code 'A'.
Turn-down Ratio	4 : 1 for K-704 2 : 1 for K-705	K – 705	(-) 20 to 125°C for all ranges <i>except</i> 0 to 70°C for Low Pressure range codes 'A' & 'B'.
Accuracy		Ambient	0°C to 70°C
K – 704	Better than ±0.25 %	Mounting	Direct on-line
K – 705	Better than ± 0.5 % for range codes 'C' to 'L'. ±1.0% for Range code 'A' & 'B'.		
Output	4 – 20 mA		
Output Current Limit	32 mA (max); 0.2 mA (min)		
Power Supply	9 – 32V DC; 24V DC nominal		

ORDERING MATRIX

316 SS Diaphragm Sensor K 704
 Ceramic Sensor K 705

Ranges and Max. Working Pressure

Select code from Range Table

Process Connection

Standard 1/4" NPTM _____ N

Flanged Flush Mount 1 1/2" 150 RF
 (only for range codes C, D, E, F and G) _____ F

Threaded Flush Mount 1" NPTM
 (only for range codes C, D, E, F and G) _____ T

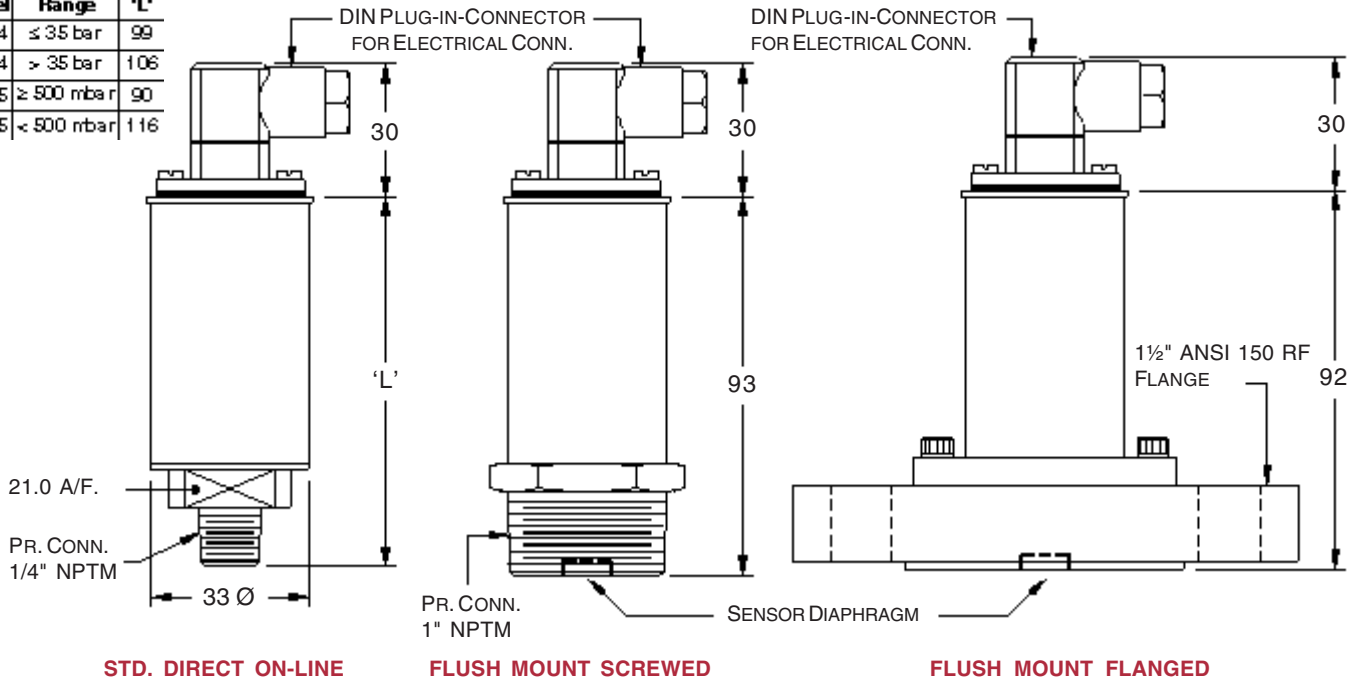
Note: For Flush Mount models the possible range is only 0 – 1 bar to 0 – 20 bar (Range codes C, D, E, F & G)

RANGE TABLE

Range Code	K – 704		K – 705	
	Range	MWP	Range	MWP
A	0 to 70 mbar	200 mbar	0 to 150 mbar	300 mbar
B	0 to 350 mbar	1000 mbar	0 to 400 mbar	750 mbar
C	0 to 1 bar	3 bar	0 to 1 bar	1.5 bar
D	0 to 2 bar	6 bar	0 to 2 bar	3.0 bar
E	0 to 3.5 bar	10 bar	0 to 5 bar	7.5 bar
F	0 to 7 bar	20 bar	0 to 10 bar	15 bar
G	0 to 20 bar	60 bar	0 to 20 bar	30 bar
H	0 to 35 bar	100 bar	0 to 50 bar	75 bar
J	0 to 70 bar	200 bar	0 to 100 bar	150 bar
K	0 to 200 bar	600 bar	0 to 200 bar	300 bar
L	0 to 350 bar	600 bar	0 to 400 bar	600 bar

MOUNTING DIMENSIONS

Model	Range	'L'
K-704	≤ 35 bar	99
K-704	> 35 bar	106
K-705	≥ 500 mbar	90
K-705	< 500 mbar	116



All dimensions are in mm

Prior notification of changes in specifications is impracticable due to continuous improvement.

FOR **SWITZER'S** OFFICES IN INDIA

CHECK AT:

<http://www.switzerinstrument.com/offices.htm>