

# Selection Table

## XCAI3351TG - Gauge Pressure Remote Transmitter XCAI3351TA - Absolute Pressure Remote Transmitter

The diaphragm of the remote pressure transmitter is used to prevent the medium in the pipeline from directly entering the pressure sensor assembly of the transmitter, and the filling liquid such as silicone oil is used to transfer the pressure between it and the transmitter.

The XCAI3351TG/TA is used to measure the level, density and pressure of liquid, gas or steam, and then convert it into a 4 to 20mA DC HART current signal output. The XCAI3351TG/TA can also communicate with the RST375 handheld terminal or the RSM100 Modem for parameter setting and process monitoring. The measuring range of the XCAI3351TG/TA (when not migrated) is 0-6kPa ~ 25MPa, and the rated pressure of the transmission flange is: 1.6/4MPa, 6.4MPa, 10MPa, 150psi, 300psi or 600psi.



Gauge Pressure Transmitter Selection-XCAI3351TG			
Absolute Pressure Transmitter Selection-XCAI3351TA			
10	Accuracy		
	B	±0.075%	
20	Range		
Gauge Pressure RP1002			
	B	0-200Pa~6kPa (0-20~600 mmH <sub>2</sub> O)/(0-2~60mbar)	
	C	0-400Pa~40kPa (0-40~4000 mmH <sub>2</sub> O)/(0-40~400mbar)	
	D	0-2.5kPa~250kPa (0-0.25~25 mH <sub>2</sub> O)/(0-25~2500mbar)	
	F	0-30kPa~3MPa (0-3~300 mH <sub>2</sub> O)/(0-0.3~30bar)	
	G	0-0.1MPa~10MPa/ (0~100bar)	
	H	0-0.21MPa~-21MPa/(0-2.1~210bar)	
	I	0-0.4MPa~40MPa/(0-4~400bar)	
Absolute Pressure RP1003			
	L	0-10KPa~40KPa/ (0-1000~4000mmH <sub>2</sub> O) / (0-20~400mbar)	
	M	0-10KPa~250KPa/ (0-1000~2500mbar)	
	O	0-30KPa~3MPa/ (0-0.3~30bar)	
30	Diaphragm material		Filling liquid
	A	SS 316L	silicone oil
40	Process connection		
	R	remote part connection	
50	Special functions		



	B	DN50 DIN 2501/HG20592	RF	DN2526	Hastelloy C
	C	DN50 DIN 2501/HG20592	RF	DN2526	Tantalum
	H	DN80 DIN 2501/HG20592	RF	DN2526	SS 316L
	I	DN80 DIN 2501/HG20592	RF	DN2526	Hastelloy C
	G	DN80 DIN 2501/HG20592	RF	DN2526	Tantalum
	R	DN100 DIN 2501/HG20592	RF	DN2526	SS 316L
	S	DN100 DIN 2501/HG20592	RF	DN2526	Hastelloy C
	T	DN100 DIN 2501/HG20592	RF	DN2526	Tantalum
	D	DN2" ANSI B 16.5/HG20592	RF	ANSI B 16.5	SS 316L
	E	DN2" ANSI B 16.5/HG20592	RF	ANSI B 16.5	Hastelloy C
	F	DN2" ANSI B 16.5/HG20592	RF	ANSI B 16.5	Tantalum
	K	DN3" ANSI B 16.5/HG20592	RF	ANSI B 16.5	SS 316L
	L	DN3" ANSI B 16.5/HG20592	RF	ANSI B 16.5	Hastelloy C
	M	DN3" ANSI B 16.5/HG20592	RF	ANSI B 16.5	Tantalum
	N	DN4" ANSI B 16.5/HG20592	RF	ANSI B 16.5	SS 316L
	O	DN4" ANSI B 16.5/HG20592	RF	ANSI B 16.5	Hastelloy C
	P	DN4" ANSI B 16.5/HG20592	RF	ANSI B 16.5	Tantalum
30		Rated pressure	pressure rating	Flange Pressure Standard	Flange material
	1	PN 1MPa/4MPa (DN50, DN80)		DIN 2501/HG20592	SS304
	2	PN 6.4MPa (DN50, DN80)		DIN 2501/HG20592	SS304
	3	PN 10MPa (DN50, DN80)		DIN 2501/HG20592	SS304
	6	Class150 (DN2, DN3)		ANSI B 16.5/HG20615	SS304
	7	Class300 (DN2, DN3)		ANSI B 16.5/HG20615	SS304
	8	Class600 (DN2, DN3)	ANSI B 16.5/HG20615(Excluding DN4 ANSI B 16.5)		SS304
	4	PN 1MPa/1.6MPa (DN100)		DIN 2501/HG20592	SS304
	5	PN 2.5MPa/4MPa (DN100)		DIN 2501/HG20592	SS304
	9	Class150 (DN40)		ANSI B 16.5/HG20615	SS304
	0	Class300 (DN40)		ANSI B 16.5/HG20615	SS304
	A	PN 1MPa/4MPa (DN50, DN80)		DIN 2501/HG20592	SS 316L
	B	PN 6.4MPa (DN50, DN80)		DIN 2501/HG20592	SS 316L
	C	PN 10MPa (DN50, DN80)		DIN 2501/HG20592	SS 316L
	F	Class150 (DN2, DN3)		ANSI B 16.5/HG20615	SS 316L
	G	Class300 (DN2, DN3)		ANSI B 16.5/HG20615	SS 316L
	H	Class600 (DN2, DN3)	ANSI B 16.5/HG20615(Excluding DN4 ANSI B 16.5)		SS 316L
	D	PN 1MPa/1.6MPa (DN100)		DIN 2501/HG20592	SS 316L
	E	PN 2.5MPa/4MPa (DN100)		DIN 2501/HG20592	SS 316L
	I	Class150 (DN40)		ANSI B 16.5/HG20615	SS 316L
	J	Class300 (DN40)		ANSI B 16.5/HG20615	SS 316L
40		Connection type			
	F	Flat			
	H	plug-in, SS 316L	Insert length 50mm	Simple material stainless steel 316	
	I	plug-in, SS 316L	Insert length 100mm	Simple material stainless steel 316	
	G	plug-in, SS 316L	Insert length 150mm	Simple material stainless steel 316	
	L	plug-in, Hastelloy C	Insert length 50mm	Simple material stainless steel 316	

				M	plug-in, Hastelloy C	Insert length 100mm	Simple material stainless steel 316
				N	plug-in, Hastelloy C	Insert length 150mm	Simple material stainless steel 316
50				Filling liquid			
				S	silicone oil		-30~200°C
				H	High Temperature Silicon Oil		-10~350°C
				U	Ultra High Temperature Silicon Oil		-10~400°C
				V	vegetable oil		0~250°C
				F	Fluorine Oil		-30~260°C
60				Capillary tube lengths		Capillary material	
				01	1m	SS304	
				02	2m	SS304	
				03	3m	SS304	
				04	4m	SS304	
				05	5m	SS304	
				06	6m	SS304	
				07	7m	SS304	
				08	8m	SS304	
				09	9m	SS304	
				10	10m	SS304	
				11	11m	SS304	
				12	12m	SS304	
				...	...		
				51	1m	SS 316L	
				52	2m	SS 316L	
				53	3m	SS 316L	
				54	4m	SS 316L	
				55	5m	SS 316L	
				56	6m	SS 316L	
				57	7m	SS 316L	
				58	8m	SS 316L	
				59	9m	SS 316L	
				60	10m	SS 316L	
				61	11m	SS 316L	
				62	12m	SS 316L	

70	Capillary component characteristics (optional)						
				N	None		
				P	Capillary with PVC protective layer		
80	Liquid flange film box form						
				NN	None		
				22	DN50/2 coating PFA (superfluoroalkylate)	(temperature ≤260°C)	
				23	DN80/3 coating PFA (superfluoroalkylate)	(temperature ≤260°C)	
				24	DN100/4 coating PFA (superfluoroalkylate)	(temperature ≤260°C)	

			32	DN50/2 diaphragm adhesive PTFE film (PTFE)	(temperature ≤200°C)
			33	DN80/3 diaphragm adhesive PTFE film (PTFE)	(temperature ≤200°C)
			34	DN100/4 diaphragm adhesive PTFE film (PTFE)	(temperature ≤200°C)
			52	DN50/2 PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 50mm)
			53	DN80/3 PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 50mm)
			54	DN100/4 PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 50mm)
			55	DN50/2 PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 100mm)
			56	DN80/3 PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 100mm)
			57	DN100/4 PFA (superfluoroalkylate)(temperature ≤260°C)	(insertion depth 100mm)
			58	DN50/2 coated PFA(superfluoroalkylate)(temperature ≤260°C)	(insertion depth 150mm)
			59	DN80/3 coated PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 150mm)
			60	DN100/4 coated PFA (superfluoroalkylate) (temperature ≤260°C)	(insertion depth 150mm)
			06	Anti-vacuum treatment	
			72	DN50/2 gold-plating	
			73	DN80/3 gold-plating	
			74	DN100/4 gold-plating	
			08	Oil prohibited treatment	
<b>Pressure Insulation Teleportation Sealing with Internal Diaphragm Options</b>					
10	remote sealing device for internal diaphragm				
	UN-	direct mounting, no capillary			
	US-	with capillaries			
20		Process connection	nominal diameter	seal form	diaphragm/seal material
	U	DN25 DIN 2501/HG20592		D DN2526	SS 316L
	V	DN25 DIN 2501/HG20592		D DN2526	Hastelloy C
	W	DN25 DIN 2501/HG20592		D DN2526	Tantalum (temperature ≤200°C)
	X	1"ANSI B 16.5/HG20592		RF ANSI B 16.5	SS 316L
	Y	1"ANSI B 16.5/HG20592		RF ANSI B 16.5	Hastelloy C
	Z	1"ANSI B 16.5/HG20592		RF ANSI B 16.5	Tantalum (temperature ≤200°C)
30	Rated pressure	pressure rating	Flange Pressure Standard		Sealing material
	1	PN 1MPa/4MPa	DIN 2501		SS304
	2	PN 6.3MPa/10MPa	DIN 2501		SS304
	3	PN16MPa	DIN 2501		SS304
	4	PN25MPa	DIN 2501		SS304
	6	Class150	ANSI B 16.5		SS304
	7	Class300	ANSI B 16.5		SS304
	8	Class600	ANSI B 16.5		SS304
	9	Class1500	ANSI B 16.5		SS304
	A	PN 1MPa/4MPa	DIN 2501		SS304
	B	PN 6.3MPa/10MPa	DIN 2501		SS304
	C	PN16MPa	DIN 2501		SS304
	D	PN25MPa	DIN 2501		SS304
	F	Class150	ANSI B 16.5		SS304

	G	Class300	ANSI B 16.5	SS304
	H	Class600	ANSI B 16.5	SS304
	I	Class1500	ANSI B 16.5	SS304
40	Filling liquid			
	S	silicone oil	-30~200°C	
	H	High Temperature Silicon Oil	-10~350°C	
	V	vegetable oil	0~250°C	
	F	Fluorine Oil	-30~260°C	
50	Capillary tube lengths		Capillary material	
	01	1m	SS304	
	02	2m	SS304	
	03	3m	SS304	
	04	4m	SS304	
	05	5m	SS304	
	06	6m	SS304	
	...	...	SS304	
	51	1m	SS 316L	
	52	2m	SS 316L	
	53	3m	SS 316L	
	54	4m	SS 316L	
	55	5m	SS 316L	
	56	6m	SS 316L	
	...	...	SS 316L	
60	Capillary component characteristics			
	N	None		
	P	Capillary with PVC protective layer		
70	Liquid flange film box form			
	NN	None		
	35	PTFE film (PTFE film) (temperature ≤200°C)		
	P	Anti-vacuum treatment (temperature ≥120°C, working pressure ≤50KPa abs.)		
	Sealing ring material			
	1	Polytetrafluoroethylene (PTFE)		
	2	SS 316L		
	3	Hastelloy c		
	4	Tantalum		
<b>2 thread mounting differential pressure long-distance sealing device selection [6]</b>				
10	Thread mounting differential pressure remote sealing device			
	TS-	with capillaries		
20	Sealing device material		Liquid film material	
	U	SS304	SS 316L	
	V	SS304	Hastelloy c	
	W	SS304	Tantalum (temperature ≤200°C)	
	X	SS 316L	SS 316L	

		Y	SS 316L	Hastelloy c
		Z	SS 316L	Tantalum (temperature $\leq 200^{\circ}\text{C}$ )
30	Flush spare holes			
			1	None
			0	With
40	Filling liquid			
			S	silicone oil -30~200 $^{\circ}\text{C}$
			H	High Temperature Silicon Oil -10~350 $^{\circ}\text{C}$
			V	vegetable oil 0~250 $^{\circ}\text{C}$
			F	Fluorine Oil -30~260 $^{\circ}\text{C}$
50			Capillary tube lengths	Capillary material
		01	1m	SS304
		02	2m	SS304
		03	3m	SS304
		04	4m	SS304
		05	5m	SS304
		06	6m	SS304
		07	7m	SS304
		08	8m	SS304
		...	...	SS304
		51	1m	SS 316L
		52	2m	SS 316L
		53	3m	SS 316L
		54	4m	SS 316L
		55	5m	SS 316L
		56	6m	SS 316L
		57	7m	SS 316L
		58	8m	SS 316L
		...	...	SS 316L
60	Capillary component characteristics			
			N	None
			P	Capillary with PVC protective layer
70	Liquid flange film box form			
			N	None
			P	Anti-vacuum treatment (temperature $\geq 120^{\circ}\text{C}$ , working pressure $\leq 50\text{KPa abs.}$ )