

Technical Data	
Item	Description
Buyer	PETROEXCEL TECHNOLOGY SERVICES
Order No.	5807
Project name	
Model	SH-CMD-250-P7-H2-T4-O1O2-C2C3-E1-A2-B1-P1-M1-PC1
Tag No.	33-FQT-1101
Size.	DN250
Wetted part material	Measuring tube material: SS 316L, Flange material: SS 304 (standard material)
Housing material	Housing material SS 304 (standard material)
Medium	ETHANE
Status	Liquid
Type	Remote type Cable1.2m
Accuracy	±0.2%
Electrical connection	Die-cast aluminum alloy housing, Electrical connection: 1/2'NPT
Output	4-20mA, 0-10KHz, RS485, HART
Explosion proof rate	Ex db ia [ia Ga] IIC T6 Gb
Protection grade	IP67
corrosivity	
Power supply	24VDC
Testing certificate	Factory certificate
Installation type	Horizontal installation
Language	
Quantity	1

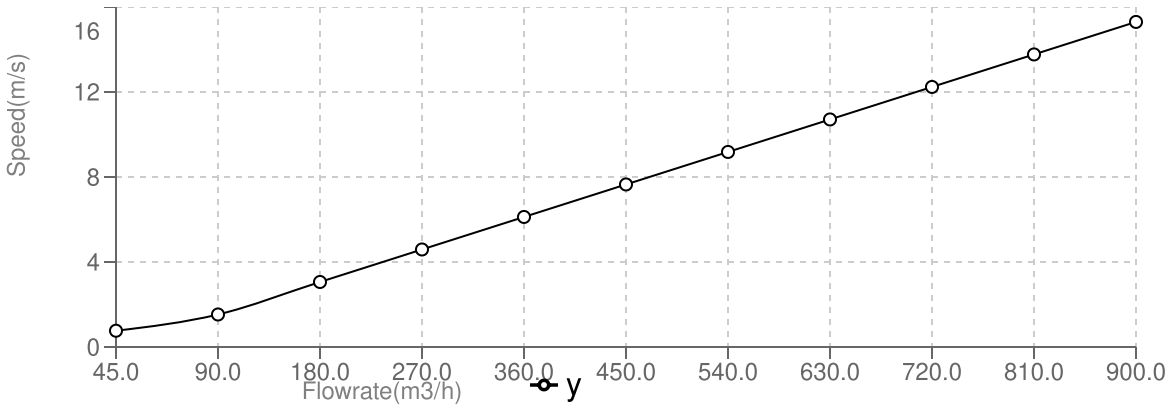
Process Parameter Data

	Min	Normal	Max	Unit
flowrate	0	800	900	m3/h
pressure		0.7	2.5	mpa
fluid temperature	-118	-116	65	°C
environment Temp		-20-50°C		°C
Density		568		kg/m3
viscosity		1		mpas
connection		Chinese national standard flange HG/T 20592-2009		
Note				

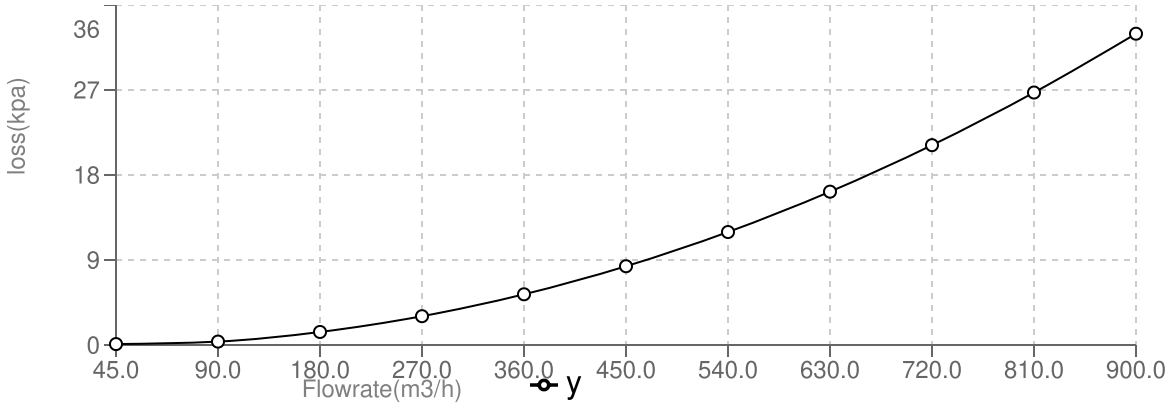
Calculation Data

Flowrate(m3/h)	Accuracy	Speed(m/s)	Pressure Loss(kpa)	Reynolds
45.00	±0.2%	0.76	0.10	44313.73
90.00	±0.2%	1.53	0.36	88627.46
180.00	±0.2%	3.06	1.38	177254.92
270.00	±0.2%	4.59	3.05	265882.38
360.00	±0.2%	6.12	5.37	354509.84
450.00	±0.2%	7.65	8.34	443137.30
540.00	±0.2%	9.18	11.96	531764.76
630.00	±0.2%	10.71	16.24	620392.22
720.00	±0.2%	12.24	21.16	709019.68
810.00	±0.2%	13.77	26.73	797647.14
900.00	±0.2%	15.30	32.96	886274.60

Flow velocity curve



Pressure drop curve



Instrument Wiring Diagram

