

PSG5xx ATM~중간진공 게이지

INFICON 피라니 표준 게이지인 PSG500, PSG502-S, PSG510-S, PSG512-S에는 시장에서 제공되는 최첨단 디지털 피라니 기술이 적용되어 있습니다. 견고한 스테인리스 스틸 센서 셀 및 소형 디자인 덕분에 반도체 시스템에 사용하거나 전면 진공 라인 등의 표준 적용개소에 사용하기에 적합합니다.



장점

- 간단한 푸시 버튼 ATM 및 HV 조정
- 공간 절약형의 견고한 디자인
- 알루미늄 하우징
- 모든 방향으로 장착 가능
- 금속 씰링 피드스루가 있는 스테인레스강 측정 셀
- 로그 신호 출력으로 손쉬운 통합
- 나사산 연결부가 있는 10 bar 절대 과압
- 250°C 베이킹 가능 버전
- 부식성 분야를 위한 니켈 필라멘트 옵션
- 부식성이 매우 강한 분야에 적합한 세라믹 피드스루(PSG510 및 PSG512)
- 셋포인트 옵션
- RoHS 준수

주문 정보

유형	PSG500 tungsten	PSG500-S tungsten, setpoints	PSG502-S nickel, setpoints	PSG510-S tungsten, setpoints, ceramic feedthroughs	PSG512-S nickel, setpoints, ceramic feedthroughs
PSG500 1/2" Tube	350-063				
PSG500 1/8" NPT	350-061				
PSG500 4-VCR (1/4")	350-065				
PSG500 7/16-20 UNF	350-066				
PSG500 8-VCR (1/2")	350-064				
PSG500 DN 16 CF-R	350-062				
PSG500 DN 16 CF-R, ext. body	350-068				
PSG500 DN 16 ISO-KF	350-060				
PSG500 DN 16 ISO-KF, ext. body	350-067				
PSG500-S 1/2" Tube		350-083			
PSG500-S 1/8" NPT		350-081			
PSG500-S 4-VCR (1/4")		350-085			
PSG500-S 7/16-20 UNF		350-086			
PSG500-S 8-VCR (1/2")		350-084			
PSG500-S DN 16 CF-R		350-082			
PSG500-S DN 16 CF-R, ext. body		350-088			
PSG500-S DN 16 ISO-KF		350-080			
PSG500-S DN 16 ISO-KF, ext. body		350-087			
PSG502-S 1/2" Tube			350-143		
PSG502-S 1/8" NPT			350-141		
PSG502-S 4-VCR (1/4")			350-145		
PSG502-S 7/16-20 UNF			350-146		
PSG502-S 8-VCR (1/2")			350-144		
PSG502-S DN 16 CF-R			350-142		
PSG502-S DN 16 CF-R, EXT. BODY			350-148		
PSG502-S DN 16 ISO-KF			350-140		
PSG502-S DN 16 ISO-KF, ext. body			350-147		
PSG510-S DN 16 ISO-KF				350-200	
PSG512-S DN 16 ISO-KF					350-300

사양

유형		PSG500 tungsten	PSG500-S tungsten, setpoints	PSG502-S nickel, setpoints	PSG510-S tungsten, setpoints, ceramic feedthroughs	PSG512-S nickel, setpoints, ceramic feedthroughs
최소 부하 임피던스	kΩ					10, short-circuit proof
측정 원리		thermal conductance according to Pirani	thermal conductance according to Pirani	thermal conductance according to Pirani	thermal conductance according to Pirani	thermal conductance according to Pirani
정확성(N ₂)						
1 x 10 ⁻³ ... 100mbar	% of reading	±15%	±15%	±15%	±15%	±15%
5 x 10 ⁻⁴ ... 1 x 10 ⁻³ mbar	% of reading	±50%	±50%	±50%	±50%	±50%
100 ... 1,000mbar	% of reading	±50%	±50%	±50%	±50%	±50%
반복성(공기)						
1 x 10 ⁻³ ... 100mbar	% of reading	2%	2%	2%	2%	2%
출력신호(측정 신호)						
전압 범위	V	0 ... +10.3	0 ... +10.3	0 ... +10.3	0 ... +10.3	0 ... +10.3
측정 범위	V	+1.9 ... +10.0	+1.9 ... +10.0	+1.9 ... +10.0	+1.9 ... +10.0	+1.9 ... +10.0
측정 범위(공기, O ₂ , CO, N ₂)	mbar	5 x 10 ⁻⁴ to 1000	5 x 10 ⁻⁴ to 1000	5 x 10 ⁻⁴ to 1000	5 x 10 ⁻⁴ to 1000	5 x 10 ⁻⁴ to 1000
셋포인트						
셋포인트 개수		none	2	2	2	2
셋포인트						
셋포인트 범위	mbar				2 x 10 ⁻³ ... 500	
설정 범위	mbar	–	2 x 10 ⁻³ ... 500	2 x 10 ⁻³ ... 500		2 x 10 ⁻³ ... 500
셋포인트						
히스테리시스	% of reading	–	10% above lower threshold	10% above lower threshold	10% above lower threshold	10% above lower threshold
셋포인트						
릴레이 접점	V (dc)	–	30	30	30	30
셋포인트						
릴레이 접점	A (dc)	–	0.5 floating	0.5 floating	0.5 floating	0.5 floating
셋포인트						
릴레이 접점: 스위칭 시간	ms	–	<20	<20	<20	<20
공급 전압						

사양

유형		PSG500 tungsten	PSG500-S tungsten, setpoints	PSG502-S nickel, setpoints	PSG510-S tungsten, setpoints, ceramic feedthroughs	PSG512-S nickel, setpoints, ceramic feedthroughs
게이지	V (dc)	+14 ...+30	+14 ...+30	+14 ...+30	+14 ...+30	+14 ...+30
공급 전압						
리플	V (p-p)	≤1	≤1	≤1	≤1	≤1
전압 대 압력		logarithmic 1.286 Volts per decade	logarithmic 1.286 Volts per decade	logarithmic 1.286 Volts per decade	logarithmic 1.286 Volts per decade	logarithmic 1.286 Volts per decade
내부 용적						
DN 16 ISO-KF, DN 16 CF-R, 7/16-20 UNF	cm ³ (in. ³)	1.5 (0.092)	1.5 (0.092)	1.5 (0.092)	1.5 (0.092)	1.5 (0.092)
DN 16 ISO-KF 및 DN 16 CF-R 긴 튜브	cm ³ (in. ³)	10 (0.61)	10 (0.61)	10 (0.61)	10 (0.61)	10 (0.61)
1/8" NPT, 4 VCR, 8 VCR, 1/2" 튜브	cm ³ (in. ³)	2 (0.122)	2 (0.122)	2 (0.122)	2 (0.122)	2 (0.122)
허용 온도						
작동	°C	+5 ... +60	+5 ... +60	+5 ... +60	+5 ... +60	+5 ... +60
진공 연결 (1)	°C	80 / 250 ⁽²⁾	80 / 250 ⁽²⁾	80 / 250 ⁽²⁾	80 / 250 ⁽²⁾	80 / 250 ⁽²⁾
보관	°C	-20 ... +65	-20 ... +65	-20 ... +65	-20 ... +65	-20 ... +65
무게						
DN 16 ISO-KF, 7/16-20 UNF	g	80	80	80	80	80
DN 16 CF-R, 4 VCR	g	100	100	100	100	100
1/8" NPT, 1/2" 튜브	g	70	70	70	70	70
8 VCR, DN 16 ISO-KF 긴 튜브	g	130	130	130	130	130
DN 16 CF-R 긴 튜브	g	140	140	140	140	140
에러 신호	V	0 ... +0.5 (filament rupture)	0 ... +0.5 (filament rupture)	0 ... +0.5 (filament rupture)	0 ... +0.5 (filament rupture)	0 ... +0.5 (filament rupture)
출력 임피던스	Ω	2 x 4.7	2 x 4.7	2 x 4.7	2 x 4.7	2 x 4.7
최소 부하시 임피던스	kΩ	10, short-circuit proof	10, short-circuit proof	10, short-circuit proof	10, short-circuit proof	10, short-circuit proof
응답 시간	ms	80	80	80	80	80

사양

유형		PSG500 tungsten	PSG500-S tungsten, setpoints	PSG502-S nickel, setpoints	PSG510-S tungsten, setpoints, ceramic feedthroughs	PSG512-S nickel, setpoints, ceramic feedthroughs
게이지 식별	kΩ	27.0, referenced to supply common	27.0, referenced to supply common	27.0, referenced to supply common	27.0, referenced to supply common	27.0, referenced to supply common
조정		one tactile switch for ATM and HV adjustment	one tactile switch for ATM and HV adjustment	one tactile switch for ATM and HV adjustment	one tactile switch for ATM and HV adjustment	one tactile switch for ATM and HV adjustment
전류 소모량	mA	<500 (max. starting current)	<500 (max. starting current)	<500 (max. starting current)	<500 (max. starting current)	<500 (max. starting current)
전력 소모량	W	≤1	≤1	≤1	≤1	≤1
전기 연결		FCC 68 / RJ45 appliance connector, 8 poles, male	FCC 68 / RJ45 appliance connector, 8 poles, male	FCC 68 / RJ45 appliance connector, 8 poles, male	FCC 68 / RJ45 appliance connector, 8 poles, male	FCC 68 / RJ45 appliance connector, 8 poles, male
센서 케이블		8 poles plus shielding	8 poles plus shielding	8 poles plus shielding	8 poles plus shielding	8 poles plus shielding
케이블 길이	m	≤100 (8 x 0.14 mm ²)	≤100 (8 x 0.14 mm ²)	≤100 (8 x 0.14 mm ²)	≤100 (8 x 0.14 mm ²)	≤100 (8 x 0.14 mm ²)
진공에 노출된 재료		glass, Ni, NiFe, DIN 1.4301 / 1.4305 / 1.4435	glass, Ni, NiFe, DIN 1.4301 / 1.4305 / 1.4435	glass, Ni, NiFe, DIN 1.4301 / 1.4305 / 1.4435	Al ₂ O ₃ , Ni, DIN 1.3981 / 1.4305 / 1.4435	Al ₂ O ₃ , Ni, DIN 1.3981 / 1.4305 / 1.4435
필라멘트		W	W	Ni	W	Ni
허용 압력	bar (absolute)	10, limited to inert gases	10, limited to inert gases	10, limited to inert gases	10, limited to inert gases	10, limited to inert gases
장착 방향		any	any	any	any	any
보호 수준		IP40	IP40	IP40	IP40	IP40

(1) 수평 장착 방향에서

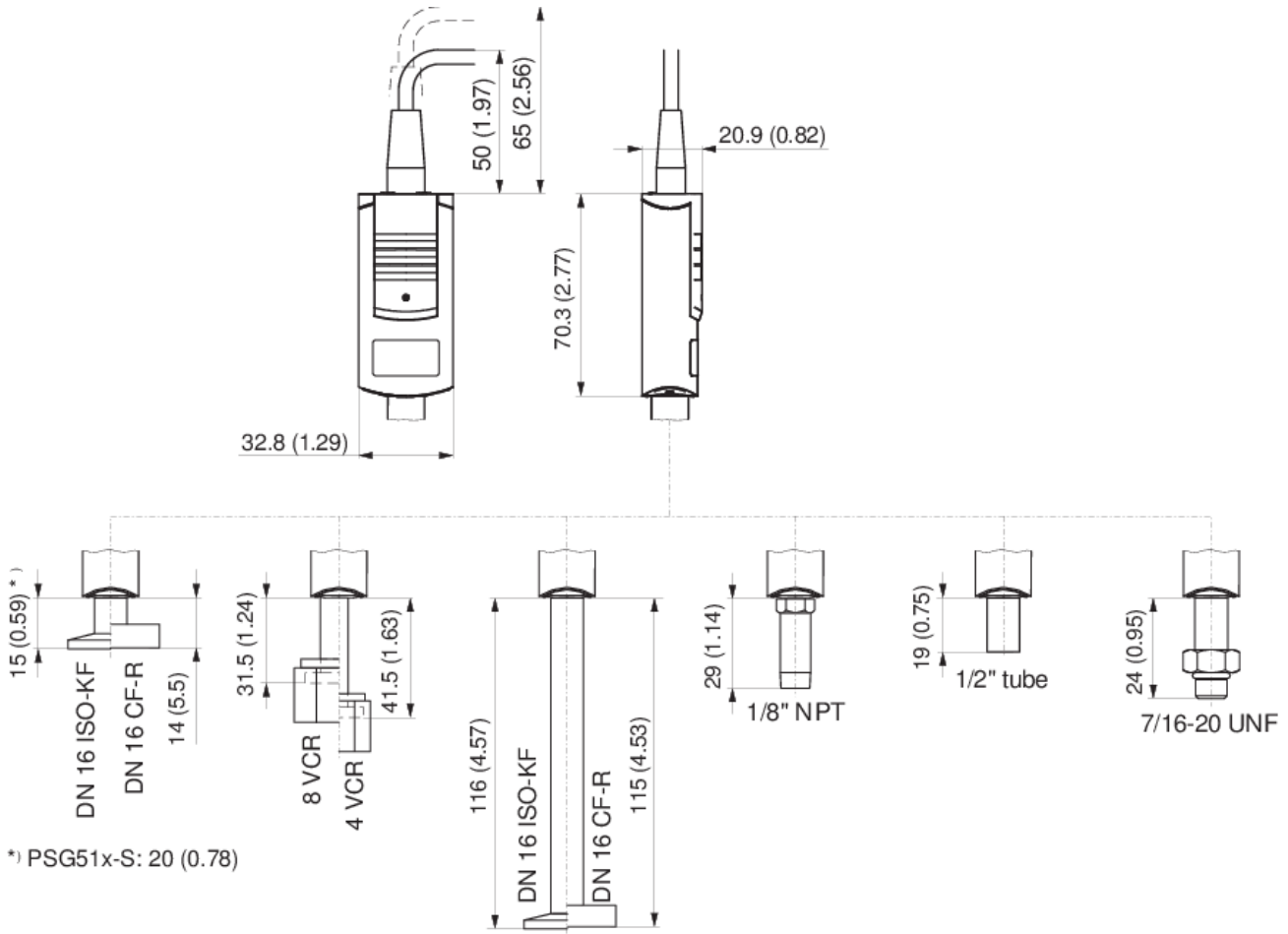
(2) 긴 튜브

예비 부품

	PSG500 tungsten	PSG500-S tungsten, setpoints	PSG502-S nickel, setpoints	PSG510-S tungsten, setpoints, ceramic feedthroughs	PSG512-S nickel, setpoints, ceramic feedthroughs
PSG500 Spare Sensor 4-VCR (1/4")	350-926	350-926	-	-	-
PSG500 Spare Sensor 1/2" Tube	350-923	350-923	-	-	-
PSG500 Spare Sensor 1/8" NPT	350-921	350-921	-	-	-
PSG500 Spare Sensor 7/16-20 UNF	350-925	350-925	-	-	-
PSG500 Spare Sensor 8-VCR (1/2")	350-924	350-924	-	-	-
PSG500 Spare Sensor DN 16 CF-R	350-922	350-922	-	-	-
PSG500 Spare Sensor DN 16 CF-R,ext.body	350-928	350-928	-	-	-
PSG500 SPARE SENSOR DN 16 KF	350-920	350-920	-	-	-
PSG500 Spare Sensor DN 16 KF,ext.body	350-927	350-927	-	-	-
PSG502 Spare Sensor 1/2" Tube	-	-	350-903	-	-
PSG502 Spare Sensor 1/8" NPT	-	-	350-901	-	-
PSG502 Spare Sensor 4-VCR (1/4")	-	-	350-906	-	-
PSG502 Spare Sensor 7/16-20 UNF	-	-	350-905	-	-
PSG502 Spare Sensor 8-VCR (1/2")	-	-	350-904	-	-
PSG502 Spare Sensor DN 16 CF-R	-	-	350-902	-	-
PSG502 Spare Sensor DN 16 CF-R,ext.body	-	-	350-908	-	-
PSG502 SPARE SENSOR DN 16 KF	-	-	350-900	-	-
PSG502 Spare Sensor DN 16 KF,ext.body	-	-	350-907	-	-
PSG510 Spare Sensor DN 16 KF	-	-	-	350-930	-
PSG512 Spare Sensor DN 16 KF	-	-	-	-	350-940

부속품

	PSG500 tungsten	PSG500-S tungsten, setpoints	PSG502-S nickel, setpoints	PSG510-S tungsten, setpoints, ceramic feedthroughs	PSG512-S nickel, setpoints, ceramic feedthroughs
CLAMPING RING DN 10-16 ISO-KF	211-001	211-001	211-001	211-001	211-001



www.inficon.com reachus@inficon.com

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