

Transducer SITRANS P200 for pressure



product type designation	
manufacturer's name	Siemens
supplier name	Siemens
product designation	gauge pressure transmitter
product brand name	SITRANS P200
Slogan 1	The compact pressure transmitter
physical measuring principle	piezo-resistive
mechanical data	
pressure measuring range	
• as relative pressure	0 ... 1 bar
largest pressure measuring span	1 bar
operating pressure	
• as relative pressure	-1 ... +2.5 bar
ambient conditions	
process temperature	-15 ... +125 °C
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-50 ... +100 °C
relative humidity / with condensation / maximum	100 %
protection class IP / of the enclosure	IP67
connection method	
design of the process connection	male thread
standard / for process connection	EN 837-1
nominal size / of the process connection	G1/2 inch B
type of connection technology	M12
type of electrical connection	Fixcon
number of the plug contacts / of the electrical connection	4
design rules / for CAx connection symbols	
• for type of measurement	no
• for signal connection with function	no
design rules / for CAx connection symbols / for explosion protection	no
design rules / for CAx connection symbols / for galvanic isolation	no
connection cable version	Unshielded
standard	
• for electrical connection	IEC 61076-2-101
• for safety	EN 61326-1/-2/-3
design, dimensions and weights	
design of the measuring transducer	compact version, sensor integrated

display version	without display
design of the housing	single chamber housing
length / of the enclosure	120 mm
width / of the enclosure	24 mm
height / of the enclosure	40.9 mm
material / of the process connection	stainless steel
material number / of the process connection • according to EN 10027-2 • according to AISI	1.4404 316L
material / of the enclosure	stainless steel
material number / of the enclosure • according to EN 10027-2 • according to AISI	1.4404 316L
material / of the measurement cell membrane	ceramic (Al2O3)
additional information	
material / of the seal between sensor and housing	fluorocarbon-rubber (FKM/FPM)
material brand name / of the seal between sensor and housing	Viton
supply voltage, current consumption, power loss	
type of voltage	DC
supply voltage / at DC / rated value	24 V
supply voltage / at DC	18 ... 33 V
standards, specifications, approvals	
certificate of suitability	CE
certificate of suitability • as approval for Canada • as approval for USA • drinking water approval	Underwriters Laboratories (UL) Underwriters Laboratories (UL) ACS, France
Marine classification association • French marine classification society (BV) • American Bureau of Shipping Europe Ltd. (ABS) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS)	Yes Yes Yes Yes Yes
pressurized device category / according to Directive DGRL 97/23/EC	Article 3.3
fluid group / according to Directive DGRL 97/23/EC	gas group 1, liquid group 1
instance data sheet / for product	Pressure
MTBF	1 066 a
standard / for MTBF determination	SN 29500
measuring procedure / for MTBF determination	Number of registered failures
range of validity / for MTBF determination	Measuring device

last modified:

7/17/2026 