

ABB MEASUREMENT & ANALYTICS | SPARE PARTS LIST

P-Series

Pressure transmitters



Engineered solutions for all applications

Measurement made easy

—
ABB P-Series Pressure
Transmitters models

Introduction

The ABB Pressure Transmitters family provides comprehensive range of top quality pressure measurement products, specifically designed to meet the widest range of applications ranging from arduous conditions in offshore oil and gas to the laboratory environment of the pharmaceutical industry.

This spare parts list contains:

- 2 sets of pictures representing P-Series pressure transmitters models
- 3 exploded diagrams of the ABB models of pressure transmitters for easy identification of parts:
 - P-100 pressure transmitter
 - P-300 DP style pressure transmitter
 - P-300 P style pressure transmitter
- 2 tables of available spare items. Different models have various spare parts in common.

Additional information

Additional documentation on ABB Pressure transmitters is available for free download from our website:

www.abb.com/pressure

or by scanning this code:



P-100 series: The “Essential”



Industries: water & wastewater,
pulp & paper, food & beverage,
utilities



Figure 1 P-100 pressure transmitters' models

P-100 Pressure transmitter components overview

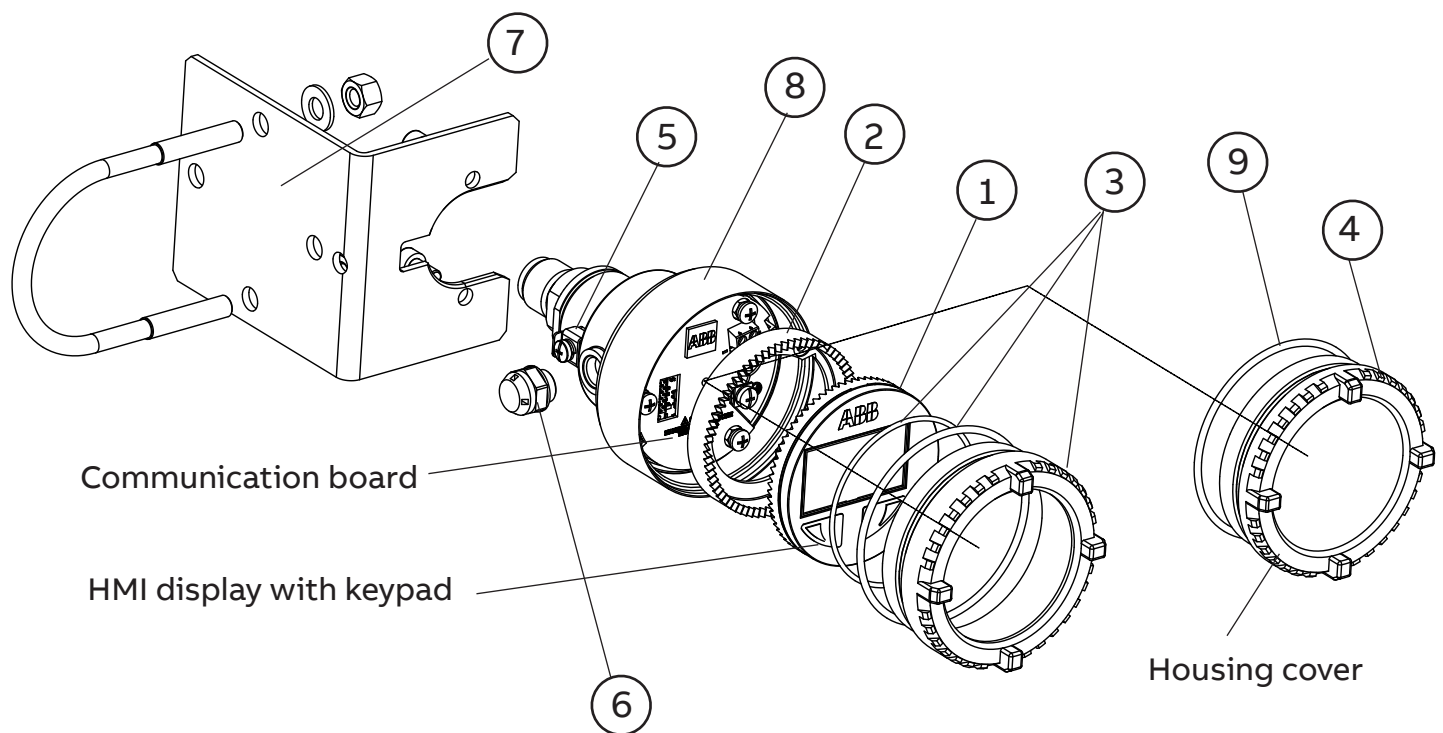


Figure 2 P-100 pressure transmitter

Parts identification

Item	Description	Part no.	Quantity per device
1	Display module	3KXP002240U0100	1
1	Xenoy™ housing HMI Assembly	3KXP002240L0200	1
2	Plastic seat for display and screws	3KXP002924L0100	1
3	SS window cover (including internal and threads O-rings)	3KXP002925L0100	1
3	Xenoy™ window cover	3KXP002254L0300	1
4+9	SS blind cover (including threads O-ring)	3KXP002926L0100	1
4	Xenoy™ blind cover	3KXP002254L0400	1
5	Grounding screws kit	3KXP002927L0100	1
6	Plastic filter	9287604	1
6	Metal filter	9287605	1
7	Universal bracket kit (including parts for mounting and fixing)	3KXP002122U0100	1
8	Xenoy™ housing	3KXP002264L0200	1
9	Xenoy™ housing cover gasket	3KXP002202L0300	1
10	Weld-on threaded spud for 1 1/2 in pulp & paper seal	PT0337	1
10	Weld-on spud and fixing screw for 1 1/2 in pulp and paper seal	PT3012	1
10	Weld-on spud and fixing screw for 1 in pulp and paper seal	PT0343	1
1+2+3	Display kit (including display, SS window cover, O-rings, plastic seat and screws)	3KXP002928L0100	1

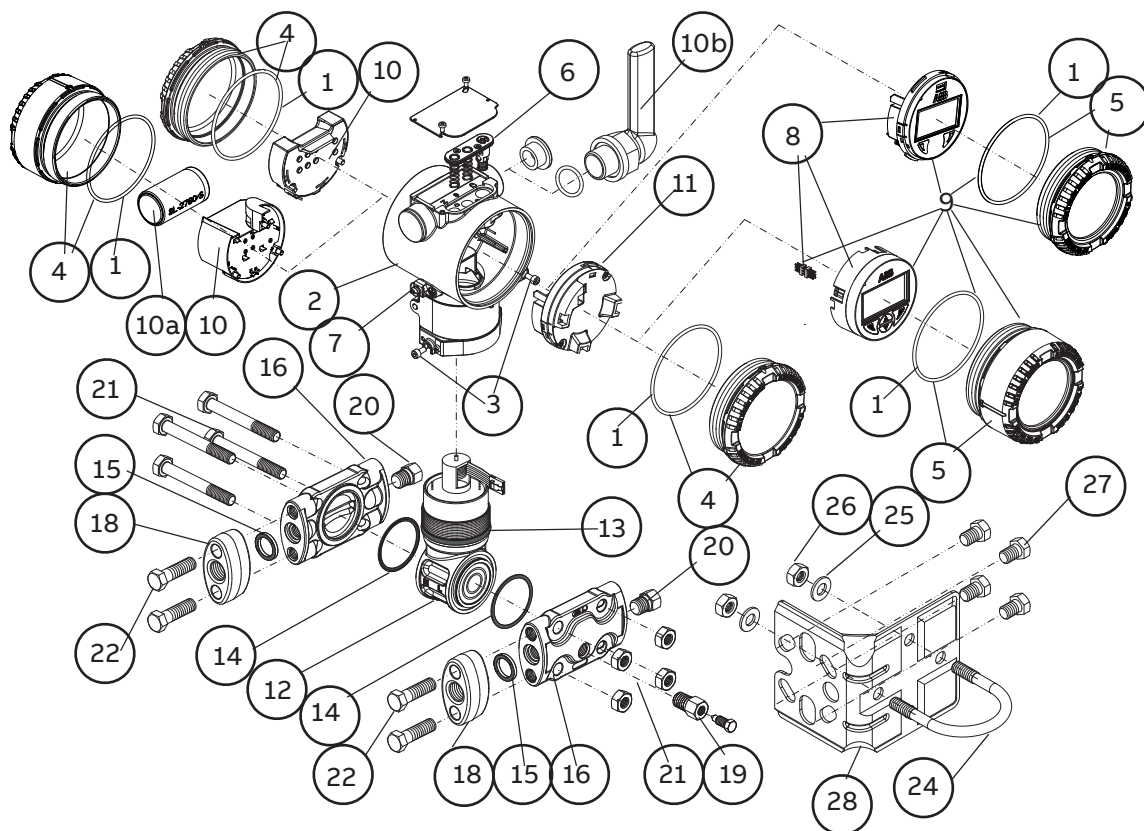
P-300 series: The “All-Rounder”

Industries: power, oil & gas



Figure 3 P-300 pressure transmitters' models

P-300 Pressure transmitter components overview



angle bracket

Figure 4 P-300 DP style pressure transmitter

P-300 Pressure transmitter components overview

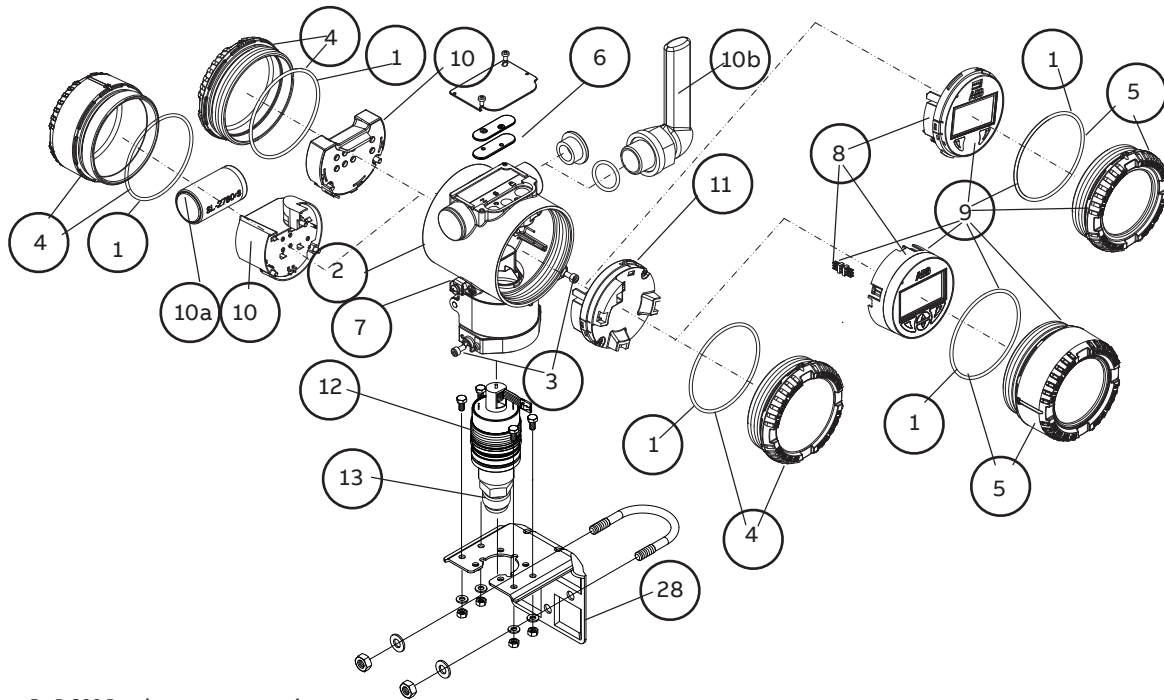


Figure 5 P-300 P style pressure transmitter

Parts identification, for all P-300 models

Item	Description	Part no.	Quantity per device
1	Package of 2 O-rings for covers	DR1000	1
2	Housing (INCLUDES ITEMS 3, 6 AND 7)		1
	- Barrel 1/2 in. - 14 NPT in aluminium	DR1001	
	- Barrel M20 in aluminium	DR1002	
	- Barrel 1/2 in. - 14 NPT in AISI 316 L ss	DR1003	
	- Barrel M20 in AISI 316 L ss	DR1004	
3	Kit: locking screws for housing and cover	DR1007	1
4	Blind cover complete of O-ring		1 - 2
	- Aluminium (short design for all versions except WirelessHART)	DR1008	
	- AISI 316 L ss (short design for all versions except WirelessHART)	DR1009	
5	Windowed cover complete of O-ring		0 - 1
	- Aluminium for integral display standard	DR1010	
	- Aluminium (short design) for integrated digital display	DR3069	
	- AISI 316 L ss for integral display standard	DR1012	
	- AISI 316 L ss (short design) for integrated digital display	DR3070	
6	Kit push button (zero and span) for LCD with backlight option (D2)	DR1014	1
7	Kit: external earth connection assembly	DR1015	1
8	LCD display		0 - 1
	Connection board, no LCD / Internal buttons only (including removing tool)	3KXP037000L0100	
	Integral LCD display / 2-button keypad (including removing tool)	3KXP037000L0200	
	Integral LCD display with backlight / 2-button keypad with enabled external pushbutton (including removing tool)	3KXP037000L0300	
	Removing tool for integral LCD display	3KXP997000L1300	

...Parts identification, for all P-300 models

Item	Description	Part no.	Quantity per device
10	Terminal block assembly (HART versions)	DR1022	1
	Terminal block assembly (HART versions) with surge protector	DR1023	1
11	Secondary electronics module:		1
	- WirelessHART	PENDING	
	- Modbus	PENDING	
12	Connection board:		1
	- WirelessHART	PENDING	
	- Modbus	PENDING	
14	Package of 2 “O” ring for process flange		1
	- Viton	DR0224	
	- PTFE	DR0225	
15	Package of 2 “O” ring for flange adapter		1
	- Viton	DR0015	
	- PTFE	DR0033	

Item	Description	Models	AISI 316 L ss	Hastelloy C	Quantity per device
16	Process flange (horizontal connection) with 1/4 in- 18 NPT connection and fittings for valve on side and plug on axis	PDS300/PDD300	PN0611	PN0612	2
			736753	736759	2
	Process flange (horizontal connection) with 1/4 in- 18 NPT connection and fitting for valve on axis	PDS300/PDD300	736752	736758	2
	Process flange (vertical connection) with 1/4 in-18 NPT connection with fitting on top for valve on side	PDS300	8150893	N/A	2
18	Flange adapter	PDS300/PDD300	PN0060	PN0066	1 - 2
19	Kit: drain/vent valve (seat and stem)		AV3017	AV3019	1 - 2
20	Plug		PN3057	PN3060	1 - 2

Item	Description	Model	AISI 316 L ss	AISI 316 ss NACE	Quantity per device
22	Kit: bolts for adapter	PDS300/PDD300	DR0013	N/A	1 - 2
		PDS300	N/A	DR0106	1 - 2

Item	Description	Part no.	Quantity per device
24	U-bolt for angle brackets for ALL P-300 transmitters		1 - 2
	- M10 threads in carbon steel	MB3027	
	- M10 threads in AISI 316 L ss	MB3028	
25	Washers for U-bolt		2 - 4
	- M10 in AISI 316 L ss	20211838	
26	Nuts for U-bolt		2 - 4
	- M10 in carbon steel	MB3029	
27	Bolting for fixing the transmitter to the bracket		2 - 3 - 4
	- carbon steel screw (7/16 UNF) for DP style transmitter	31020527	
	- AISI 316 ss screw (7/16 UNF) for DP style transmitter	PN0181	
	- AISI 316 ss screw (M6) for P style transmitter with barrel housing	21180448	
	- AISI 316 ss washer (M6) for P style transmitter with barrel housing	20211238	
	- AISI 316 ss nut (M6) for P style transmitter with barrel housing	20111038	
28	Bracket (angle type)		1
	- carbon steel for DP style transmitter	PN3048	
	- AISI 316 L ss for DP style transmitter	PN3052	
	- carbon steel for P style transmitter with aluminium barrel housing	PP3047	
	- AISI 316 L ss for P style transmitter with aluminium or AISI barrel housing	PP3048	

Item	Description	Part no.	Quantity per device
24	Bracket kit (BRACKET COMPLETE OF PARTS FOR MOUNTING AND TX FIXING)		1
to			
28	- carbon steel (ANGLE TYPE FOR PIPE MOUNTING) for DP style transmitter		
	- AISI 316 L ss (ANGLE TYPE FOR PIPE MOUNTING) for DP style transmitter	DR1042	
	- carbon steel (ANGLE TYPE FOR WALL MOUNTING) for DP style transmitter	DR1043	
	- AISI 316 L ss (ANGLE TYPE FOR WALL MOUNTING) for DP style transmitter	DR1044	
	- carbon steel (ANGLE TYPE FOR WALL MOUNTING) for DP style transmitter	DR1046	
	- carbon steel for P style transmitter (MODELS PGX300) with aluminium barrel housing	DR3011	
	- AISI 316 L ss for P style transmitter (MODELS PGX300) with aluminium or AISI barrel housing	DR3012	

ABB Measurement & Analytics

For your local ABB contact, visit:

abb.com/contacts

For more product information, visit:

abb.com/pressure

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.