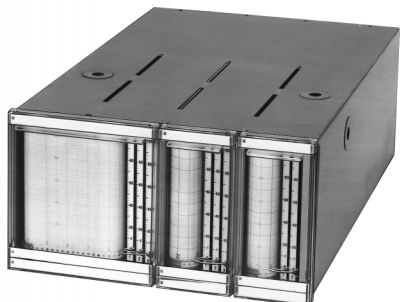


PR630 Pneumatic Line Recorder compact P



For recording and indicating of two or three measured values. The line recorder has been designed specifically for panel mounting as a plug-in unit and is inserted with vertical scale. It is a component of the compact P system. Mechanism: pneumatic servo system

- Available as a 2- or 3-line recorder with throw-away fibre pens or steel pens with refillable ink reservoir
- Recording system, scales and chart drive of recorders ER550 and PR630 are identical. Same operation - same parts!
- Ink system and chart drive mechanism interchangeable between recorders ER550 and PR630
- Automatic chart feed
- Manual forward and reverse drive of chart possible
- Selection of chart speeds by drive gear
- Versions for AC and also for 24 V DC power supply
- Recorder module can be converted from 72 x 144 to 144 x 144 mm
- Recorder can be inserted either in compact 600 or 400 housings
- Possibility of preassembling housing and terminal plate with multibore band

Input

Signal range 0.2 to 1 bar / 3 to 15 psi /
20 to 100 kPa
Measurement mechanism
principle servo system
Overloadable up to 1.6 bar / 24 psi
Characteristic conformity . . . ≤ 1 %
Response threshold ≤ 2 mbar
Cut-off frequency 2 Hz (operating point 50 %, amplitude 10 %)

Supply air 1.4 ± 0.1 bar / 20 ± 1.4 psi
Air consumption ≤ 80 l/h per servo system
Supply air influence < 0.2 % / 0.1 bar

Power supply

AC voltage 240, 220, 127, 110, 24 V
Tolerance +10 %; -15 %
Nominal frequency 50 Hz / 60 Hz
Power consumption 1.4 VA

DC voltage 24 V
Tolerance +25 %; -15 %
Residual ripple Vpp ≤ 20 % within tolerance range
Power consumption 1.7 W

Housing

Material steel sheet
Surface:
72 x 144 housing plastic coated, grey
144 x 144 housing painted grey
Front door plastic (PC), clear
Protection class IP 20

Recording system

Scale 100 mm long, exchangeable
Recording pen:
Throw-away fibre pen line length approx. 900 m
Steel pen with refillable ink reservoir
Recording speed approx. 50 mm/s
Recording width 100 mm
Chart width 110 mm
Chart speed 10, 20, 30, 60, 120, 180, 360,
600, 1200, 1800, 3600 mm/h;
selectable
Chart drive with AC power supply:
synchronous motor;
with DC power supply:
quartz-controlled stepping
motor,
time-recording deviation:
< 5.5 min/month

Length of recording chart:
72 x 144 mm recorder 16 m
144 x 144 mm recorder 16 m / 32 m
equivalent to 4 or 8 weeks
running time at 20 mm/h feed

Time displacement between
recording pens 7.5 min at 20 mm/h feed
= 2.5 mm distance

For complete specification, refer to Product Specification Sheet PSS EIC3313 A-(en)

Model Codes

Pneum. Line Recorder Compact P		PR630									
Version											
Compact 72 x 144 mm	-A										
Compact 144 x 144 mm	-B										
Measuring systems											
2 systems		2									
3 systems		3									
Ink-system											
Fibre pen			A								
Refillable system.			B								
Signal Range											
0.2 to 1 bar				1							
3 to 15 psi				2							
20 to 100 kPa.				3							
0.2 to 1 kp/cm				4							
Power supply											
240 V, 50 Hz					A						
220 V, 50 Hz					B						
127 V, 50 Hz					C						
110 V, 50 Hz					D						
24 V, 50 Hz					E						
240 V, 60 Hz					F						
220 V, 60 Hz					G						
127 V, 60 Hz					H						
110 V, 60 Hz					K						
24 V, 60 Hz					L						
24 V = DC.					M						
Options											
2 Fittings for pn. connections male thread 1/8 - 27 NPT to tube 4 x 1 mm.					-B						
5 Fittings for pn. connections male thread 1/8 - 27 NPT to tube 4 x 1 mm.					-C						
Nameplate with inscription (a) (for all Measuring systems)					-N						
Instrument Identification (a)					-S						
Scale indicating range for system 1 (Standard 0-100%)					-1						
Scale indicating range for system 2 (Standard 0-100%)					-2						
Scale indicating range for system 3 (Standard 0-100%)					-3						
Footnotes											
(a) Specify inscription											
<table border="1" style="width: 100%;"> <tr> <td>Housings /Shelves</td> <td>see EIC9001</td> </tr> <tr> <td>Terminal block</td> <td>see EIC9001</td> </tr> <tr> <td>Tube fittings</td> <td>see EOC9001</td> </tr> </table>						Housings /Shelves	see EIC9001	Terminal block	see EIC9001	Tube fittings	see EOC9001
Housings /Shelves	see EIC9001										
Terminal block	see EIC9001										
Tube fittings	see EOC9001										