

## FEATURES

- 3-line backlit display
- Very fast and precise
- Extreme wide range of 0 .. 14000 mbar abs
- Calibration options / traceable
- Excellent price/performance ratio
- Waterproof (IP67)
- Durable with long battery life
- Easy to use universal pressure port with exchangeable connection
- Modern compact housing

# RS PRO Manometer / Barometer

RS Stock No.: 205-0965



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

# Manometer

## Product Description

### Manometer / Vacuum meter for fast and precise measurements in vacuum and pneumatic systems

- packaging machine testing
- pneumatic installations
- ambient pressure monitoring

### Universal pressure connection:

- equipped with barbed port for 6 mm and 8 mm hoses
- Port can be adapted to Your special needs by exchanging to many standard G1/8 inch ports like available in pneumatic accessories

### Selectable special functions:

- NULL / Tare function
- AVR: Averaging over 2 s / 5 s / 10 s for stable display of fluctuating pressures

## General Specifications

Model Name	RS 1114
Pressure Port Type	Absolute / can be used as relative instrument UT connection for tubes 6 x 1 mm (4 mm inner) and 8 x 1 mm (6 mm inner)
Number of Pressure Ports	1
Pressure Range	0..14000 hPa (mbar)
Selectable Units	hPa / mbar / mmHg / psi
Resolution	1 hPa
Response Time	< 1s
Over Range Indicator	Yes
Under Range Indicator	Yes
Zero Pressure Correction	Yes
Maximum Overpressure	20000 hPa abs
Alarm	No
Best Accuracy	+/- 0.1 % FSS or +/-0.1 % of value (@ 25 °C)
Display Type	Backlit LCD
Data Logging	No
Leak Testing	No
Low Battery Indicator	Yes
Minimum / Maximum Recordings	Yes, with "Hold" function
Intrinsically Safe	No
Interface	No
Calibration Available	Factory calibration protocol
Applications	Vacuum packaging machines, pneumatic systems, ambient pressure monitoring

### Electrical Specifications

Battery Type	2 x AA
Battery Life	3000 h
Auto Power Off time	15, 30, 60, 120 or 240 minutes, or can be disabled
Low Battery Indicator	Yes

### Mechanical Specifications

Housing Material	Break-proof ABS housing
Connection Thread Standard	one tube connection, interchangeable with G1/8 universal port
Connection Thread Size	G1/8
Dimensions	
Length	28 mm
Width	54 mm
Height	108 mm
Weight	140 g
Vibration Resistance	Not specified
Shock Resistance	Not specified

### Operation Environment Specifications

Relative Humidity	95 % r.h. temporarily 100 % r.h. both non-condensing
Operating Temperature Range	-20 to 50°C
Storage Temperature Range	-20 to +70 °C

### Protection Category

IP Protection	IP 67
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### Additional Information

EAN	4058175682893
Custom Tariff Number	90278020

### Approvals

Compliance/Certifications	CE
Declarations	Manufacturer Conformity

### Similar Products

Stock No.	RS#	RS#	RS#
Model Number	RS 1111		
Pressure Port Type	Absolute		
Number of Pressure Ports	1		
Pressure Range	0.0..1700.0 hPa (mbar)		
Selectable Units	hPa / mbar / mmHg / psi		
Resolution	0.1 hPa		
Response Time	< 1s		
Over Range Indicator	Yes		
Under Range Indicator	Yes		
Zero Pressure Correction	Yes		
Maximum Overpressure	2500 hPa abs		
Alarm	N/A		
Best Accuracy	+/- 2 hPa (@ 0..50 °C)		
Display Type	Backlit LCD		
Data Logging	No		
Leak Testing	No		
Low Battery Indicator	Yes		
Minimum / Maximum Recordings	Yes, with "Hold" function		



**Exchangeable pressure port**