


# Comark Pressure Meters Specifications



Comark pressure meters combine high accuracy with speed of response and offer the option of ATEX certified Intrinsically Safe models.

The C9500 instruments have twin inputs for gauge or differential pressures and positive or negative (vacuum) pressure measurement.

Typical applications include boiler flue draft, air conditioning filters, laboratories and clean rooms, process pressures, service and maintenance and the calibration of other instruments.

- ATEX compliant, certified to  II 1 G EEx ia IIC T4 Baseefa 03 ATEX 0079
- Selectable pressure units\*, PSI, mbar, Bar, inH<sub>2</sub>O, inHg, mmHg, Torr, Pa, KPa, mmH<sub>2</sub>O, cmH<sub>2</sub>O, Kgcm<sup>-2</sup>
- Positive or negative (vacuum) pressure measurement
- Adjustable zero value
- Maximum, minimum pressure and hold function
- Averaged reading function
- Over-range indication
- Selectable auto switch off
- Can function as a calibrator when used with TK2 pressure test kit
- Silicone protection option available for liquid pressure measurement
- Supplied with tubing and connectors, plus hard carry case for IS Models

\* Dependant on model

Comark is the leading manufacturer and supplier of a wide range of electronic measurement instruments for temperature, humidity, pressure and pH

Click on [www.comarkltd.com](http://www.comarkltd.com) for more information

# Comark Pressure Meters Specifications



## Technical Specification

Standard Intrinsically Safe		C9551 C9501/IS	C9553 C9503/IS	C9555 C9505/IS	C9557 C9507/IS
PSI	Range	0 to ±2.031	0 to ±5.076	0 to ±30.46	0 to ±101.05
	Resolution	0.001	0.001	0.001	0.01
mBar	Range	0 to ±140	0 to ±350	0 to ±2100	0 to ±7000
	Resolution	0.1	0.1	0.1	1
Bar	Range	-	-	0 to ±2.100	0 to ±7.000
	Resolution	-	-	0.001	0.001
inH <sub>2</sub> O	Range	0 to ±56.2	0 to ±140.5	0 to ±843.1	0 to ±2810
	Resolution	0.01	0.01	0.1	0.1
inHg	Range	0 to ±4.134	0 to ±10.34	0 to ±62.01	0 to ±206.7
	Resolution	0.001	0.001	0.01	0.01
mmHg	Range	0 to ±105.0	0 to ±262.5	0 to ±1575	0 to ±5250
	Resolution	0.01	0.01	0.1	1
Torr	Range	0 to ±105.0	0 to ±262.5	0 to ±1575	0 to ±5250
	Resolution	0.01	0.01	0.1	1
Pa	Range	0 to ±14000	-	-	-
	Resolution	1	-	-	-
KPa	Range	0 to 14.00	0 to ±35.00	0 to ±210.0	0 to ±700.0
	Resolution	0.001	0.01	0.01	0.1
mmH <sub>2</sub> O	Range	0 to ±1428	0 to ±3569	-	-
	Resolution	0.1	1	-	-
cmH <sub>2</sub> O	Range	0 to ±142.8	-	0 to ±2141	0 to ±7138
	Resolution	0.01	-	0.1	1
Kgcm <sup>-2</sup>	Range	0 to ±143	0 to ±0.357	0 to ±2.141	0 to ±7.138
	Resolution	0.001	0.001	0.001	0.001

Maximum Over/Under Pressure	6 PSI/ 400mbar	15 PSI/ 1000mbar	90 PSI/ 6200mbar	200 PSI/ 13700mbar
Accuracy at +23°C	±0.2% of full scale			
Repeatability at +23°C	±0.1% of full scale			
Mean Temperature				
Coefficient of Reading	Better than 0.1% per °C			
Operating Range				
Temperature	0°C to +40°C			
Humidity	10 to 90% RH non condensing			
Environmental Rating	IP67, BS 60529, IEC 529			
Protection Levels (IS Models only)	II 1 G EEx ia IIC T4 Baseefa 03 ATEX 0079 (certification applicable at atmospheric pressure)			
Connections	1/8" BSP Female			
Battery Type	6F22 MN1604, PP3 VT3 UCAR 9V			
Battery Life	90 Hours			

### WARRANTY

All Comark Instruments have a minimum one-year warranty unless otherwise stated. The warranty period for temperature probes is six months and all other probes and electrodes are unwarranted because the conditions of use are beyond our control. The Comark warranty covers manufacturing defects and component failures on all products returned to Comark premises and applies worldwide. The warranty does not affect your statutory rights. In line with our policy of continuous development we reserve the right to alter any product specifications without notice.

All products are covered by our Quality Management System which is compliant with BS EN ISO 9001:2000 for the design, manufacture, supply, service, repair and recalibration of electronic measuring instruments and equipment.

Comark has an accredited UKAS calibration laboratory for temperature and humidity measurement and can offer full service and recalibration facilities.

**Comark Limited** Gunnels Wood Road,  
Stevenage, Hertfordshire SG1 2TA England  
Tel: 01438 (+44 1438) 367367  
Email enquiries UK and Ireland:  
salesuk@comarkltd.com  
Email enquiries International:  
salesint@comarkltd.com

**Comark Instruments Inc**  
9710 SW Sunshine Court,  
Beaverton, OR 97005, USA  
Tel: (503) 643 5204 Fax: (503) 644 5859  
Email: sales@comarkUSA.com



**COMARK**  
a VIDA GROUP company

Click on [www.comarkltd.com](http://www.comarkltd.com) for more information



CERTIFICATE NO. FM12129

