



EPM-2000 series Easy Pressure Measurement

- ❑ **Complete solutions**
 - Minimize the risk of errors
- ❑ **Flexible solutions**
 - May be supplemented as needs change
- ❑ **Industry protected**
 - The instrument is protected with a rubber boot
- ❑ **Practical details**
 - Instruments may also be carried on the belt or placed on a surface
- ❑ **A safe buy**
 - Built-in AMETEK quality and features such as confidence, efficiency, technical support, and service

PRODUCT DESCRIPTION








As a result of the introduction of quality management systems such as ISO-9000, HACCP, etc. as well as increased focus on hygiene, environment, and security, demands to minimizing risks and errors have grown. To meet these demands you need reliable and efficient measuring equipment.

AMETEK has composed a number of complete solutions for pressure measurement (EPM-2000 series) and for temperature measurement (ETM-2000 series). Each system is a complete kit that is delivered in a practical, lightweight carrying case, making it easy to carry around to the various measuring sites. The configuration eliminates the chance of forgetting a pressure source, fittings, or the operating manual.

With 3 different pressure systems the EPM-2000 series (Easy Pressure Measurement) covers a broad variety of applications within pressure measurement. You may measure the pressure on your compressor, pneumatic operations, the barometric pressure in energy calculations, level of liquid, water pressure, differential pressure on flow measurements, pressure control valves, digestion tanks and many others.

With the AMETEK EPM-2000 series you can check the pressure with ease. All systems are supplied with a small air pump with fine adjustment and vent valve. Hose and fittings are included enabling you to setup a test/calibration system.

FUNCTIONS

-  **Backlight:** The display light is on as long as the key is activated.
-  **Display hold:** Freezes the reading - used when watching the instrument under test is more important than watching the indicator.
-  **Max/Min:** Stores maximum and minimum pressures. Suitable for e.g. surveillance of safety valves or level of liquid.
-  **Range lock:** The instrument changes to a higher resolution at low pressures. The "RANGE LOCK" key allows you to switch off this feature.
-  **Smoothing:** Allows easy measurements on unstable pressures.
-  **Engineering units:** Choose between the built-in pressure units.
-  **Zeroing:** Zeroes the instrument in the reading. Should be used at every new measurement.
- Auto switch-off:** Auto switch-off after 12 minutes. Extends battery life (auto switch-off does not operate in max/min mode. (The user can also turn off this feature if not required).
- Set-up retention:** The instrument switches on with the last settings used.

SYSTEMS & INSTRUMENTS

PART NO.	DESCRIPTION
75-EPM-SYSTEM 1	Low differential pressure system 130 mbar (1.9 psi) (EPM-2021)
75-EPM-SYSTEM 2	General industry 7 barg (101 psi) (EPM-2023)
75-EPM-SYSTEM 3	Barometric system 2 bara (29 psia) (EPM-2025)

ACCESSORIES & OPTIONS

PART NO.	DESCRIPTION
60I104	Teflon sealing tape 10 m (32')
105563	Hose, 6 mm OD, length 1 m (3'3")
AM-T-810-M	Pressure pump 0 to 7 bar (0 to 101 psi)
AM-T-811-M	Vacuum pump 0 to -0.9 bar (0 to -13 psi)
105487	Black rubber protective boot
105573	Complete fitting set for connection to pump and 6 mm hose, 1/4" BSP & 1/4" NPT
65R191	BSP (parallel thread) fitting set, including sealing tape and various rubber gaskets. Male 1/4" to female 1/8" Male 1/4" to female 3/8" Male 1/4" to female 1/2"
65R192	NPT (taper thread) fitting set, including sealing tape and various rubber gaskets. Male 1/4" to female 1/8" Male 1/4" to female 1/4" Male 1/4" to female 3/8" Male 1/4" to female 1/2"
60R191	Rubber gasket set to the fitting sets
105764	Plastic carrying case; foam inserts
105806	Operating manual Traceable calibration certificate (3 points). (System 1 & 2 only)

2 year warranty



AMETEK®
 CALIBRATION INSTRUMENTS

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SYSTEM CONTENTS

EPM SYSTEM 1
Pressure range: ±130 mbar (±1.9 psi) (with differential)
Instrument: EPM-2021
Pressure units: mbar, psi, mmH ₂ O, inH ₂ O, mmHg, inHg, kPa
Pump: 0 to 7 bar (0 to 101 psi)
Including: Black protective rubber boot, batteries, complete fitting set for connection to pump and 6 mm hose, 1 m (3'3") 6 mm hose, 1/4" BSP & 1/4" NPT connections, sealing tape, carrying case with foam inserts, and manual

EPM SYSTEM 2
Pressure range: -1 to 7 bar (-14.5 to 101 psi) (with differential)
Instrument: EPM-2023
Pressure units: mbar, bar, psi, mH ₂ O, inH ₂ O, mHg, inHg, kPa
Pump: 0 to 7 bar (0 to 101 psi)
Including: See system 1

EPM SYSTEM 3
Pressure range: 2 bar abs (29 psia) (barometer)
Instrument: EPM-2025
Pressure units: mbar, psi, mH ₂ O, kPa, inH ₂ O, cmHg, inHg
Pump: 0 to 7 bar (0 to 101 psi)
Including: See system 1

SPECIFICATIONS

ALL EPM-2000 SYSTEMS	
Display:	12.7 mm (1/2") LCD
Operating temperature:	From -10 to +50°C (14 to 122°F)
Battery type:	2 AA or equivalent cells
Battery life:	Typically 200 hours
Low battery check:	Symbol shows on display
Over pressure check:	Yes - 'OUT' flashes on display
Protection:	IP65
Dimensions:	155 x 67 x 40 mm (6.1 x 2.6 x 1.6")
Weight:	180 g (6.4 oz) (Indicator only)
Media:	Non-corrosive liquids and gases. Non-hydrocarbons (motor oil, freon, or similar)
Accuracy in the following operating ranges: (±1 digit)	
+20 to +30°C (68 to 86°F):	0.1% Rdg. +0.1% F.S.
-10 to +50°C (14 to 122°F):	0.15% Rdg. +0.15% F.S.
CE Label:	Yes

AMETEK is a leading global manufacturer of electrical and electromechanical products for niche markets. Listed on the New York Stock Exchange (AME) since 1930, AMETEK's annual sales are approaching \$1 billion. Operations are in North America, Europe and Asia, with about one third of sales to markets outside the United States.

**ISO 9001
 Manufacturer**