

INTRODUCTION

Thank you for choosing an HK Instruments MMK series vertical tube manometer. MMK vertical tube manometers are very robust and high quality pressure meters for measuring and indicating small overpressure and differential pressure of air and non-aggressive gases.

WARNING

- READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THIS DEVICE.
- Failure to observe safety information and comply with instructions can result in PERSONAL INJURY, DEATH AND/OR PROPERTY DAMAGE.
- Retain these instructions for future reference.
- This product, when installed, will be part of an engineered system whose specifications and performance characteristics are not designed or controlled by HK Instruments. Review applications and national and local codes to assure that the installation will be functional and safe. Use only experienced and knowledgeable technicians to install this device.

APPLICATIONS

Vertical tube manometers are ideal for general-purpose work in air-conditioning and ventilation, such as monitoring air filters and fans. In addition, they are good for pressure measurement in vessels.

SPECIFICATIONS

Performance

Reading accuracy:
10 Pa

Overpressure:
Max pressure 200 kPa (2 bar)

Technical Specifications

Measuring units:
Pa

Measuring ranges:
0...1000 Pa
0...1500 Pa
0...2000 Pa
0...3000 Pa
0...5000 Pa
0...7000 Pa
0...10000 Pa

Environment:
Operating temperature:
-40...+60 °C

Gauge fluid:

Red: s.g. 0.786 kg/dm (15 °C)
(Isopar M)

Physical

Body:
Al anodised

Tube:
PMMA

Tops:
POM

Other parts:
AiSi 316, PA

Sealings:
NBR

Weight and length:

Model	Weight	Length
MM1K	425 g	228 mm
MM1,5K	485 g	288 mm
MM2K	550 g	348 mm
MM3K	700 g	478 mm
MM5K	960 g	743 mm
MM7K	1300 g	998 mm
MM10K	1750 g	1408 mm

(weight includes installation set and product box)

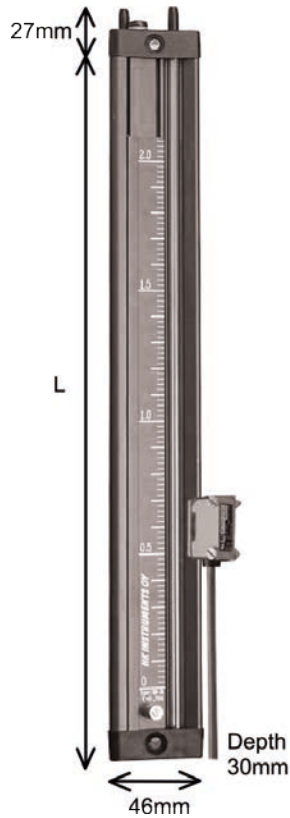
Conformance

Meets requirements for CE marking:
RoHS Directive 2011/65/EU

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 = ISO 14001 =



DIMENSIONAL DRAWINGS



RECYCLING/DISPOSAL

The parts left over from installation should be recycled according to your local instructions. Decommissioned devices should be disposed of as mixed waste according to your local instructions.

WARRANTY POLICY

The seller is obligated to provide a warranty of five years for the delivered goods regarding material and manufacturing. The warranty period is considered to start on the delivery date of the product. If a defect in raw materials or a production flaw is found, the seller is obligated, when the product is sent to the seller without delay or before expiration of the warranty, to amend the mistake at his/her discretion either by repairing the defective product or by delivering free of charge to the buyer a new flawless product and sending it to the buyer. Delivery costs for the repair under warranty will be paid by the buyer and the return costs by the seller. The warranty does not comprise damages caused by accident, lightning, flood or other natural phenomenon, normal wear and tear, improper or careless handling, abnormal use, overloading, improper storage, incorrect care or reconstruction, or changes and installation work not done by the seller or his/her authorized representative. The selection of materials for devices prone to corrosion is the buyer's responsibility, unless otherwise is legally agreed upon. Should the manufacturer alter the structure of the device, the seller is not obligated to make comparable changes to devices already purchased. Appealing for warranty requires that the buyer has correctly fulfilled his/her duties arisen from the delivery and stated in the contract. The seller will give a new warranty for goods that have been replaced or repaired within the warranty, however only to the expiration of the original product's warranty time. The warranty includes the repair of a defective part or device, or if needed, a new part or device, but not installation or exchange costs. Under no circumstance is the seller liable for damages compensation for indirect damage.