

## Minor Measuring instrument



- Measuring precision of 2 kPa
- Kv resolution 0.1
- Possibility of taking measurements in various valves and pumps

# Description of Minor

## Field of application

Being able to optimise and troubleshoot your waterborne system gives you a good opportunity to limit energy consumption, as well as to improve comfort in many cases.

## Description

Minor is a measuring instrument you use to measure and monitor differential pressure, for example across a filter or heat exchanger, or the flow through a valve. Minor is an excellent solution when you want to inspect or monitor components of an installation. Minor, which is a two-in-one manual unit and sensor, is supplied with a carrying case, hoses and MMA's measurement needles.

## Measurement

Minor is used by connecting the measurement needles to the measurement sockets on the component to be measured. The differential pressure can be seen on the meter.

In the case of valve flow measurements, the Kv value for the component measured is taken from the manufacturer's documentation. The Kv value is keyed into the meter and the flow is displayed in the selected unit.



# Technical data for Minor

## Technical specifications

Pressure sensor	Piezoresistive
Pressure range	10 bar* 20 bar
Maximum pressure	Positive side 15 bar * 20 bar Negative side 10 bar * 20 bar
Margin of error for pressure	0.15% in pressure range
Margin of error for temperature	1.5% in measurement range
Media temperature	-5 to 90°C
Ambient temperature	-5 to 50°C
Storage temperature	-5 to 50°C
Connections for pressure hoses	R21 quick couplings
Batteries	2 x AA NiMH rechargeable batteries
Current consumption	55 mA max
Display	Illuminated 128x64 pixel monochrome
Keyboard	3 keys
Pressure units	11
Flow units	11 incl. US units
Kv range	0-99999 with 0.1 steps
Dimensions	94 x 218 x 40 mm
Weight	380 g incl. batteries
Degree of protection	IP65
Calibration frequency	12 months, irrespective of frequency of use

# Instruction menu for **Minor**



## Order designation

RSK number	Article number	Designation	Description
511 85 45	9001324	Measuring instrument	Minor measuring instrument