

ESS III water

Data logger for pressure

AREAS OF APPLICATION

Measuring and saving of fault analyses in

- Pipe systems
- Pipe system calculations
- Leak tests
- Monitoring of water networks

SAFETY CLASSES

Enclosure / housing class IP68

ENCLOSURE, CONNECTIONS

Mass Width: 108 mm
Depth: 143 mm

Weight: 1,2 kg

Connections ½ inch external screw thread
⅛ inch internal screw thread
Other connections on request

SCOPE OF MEASUREMENT

Standard measuring ranges, ordinary

Absolute 0... 10 bar
Absolute 0... 25 bar
Absolute 0... 100 bar

Other measuring ranges on request

100 mbar ... 600 bar

Measuring accuracy

± 0,09% vom MBEW

Temperature error

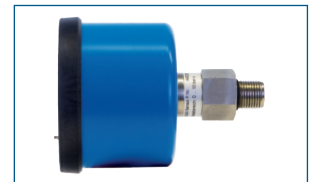
Less than +/- 0.05% per 10 K
From - 20°C to + 40°C in the centre
Or stability <= 5 mbar per 15 K
as per G469

OPERATION

Battery capacity 8 years for 1 min. cycle
1 year for the 1 sec cycle
1-3 months for the 125 msec cycle

Maintenance interval

1-3 years calibration
1 year DKD or
factory calibration possible



FUNCTIONAL SCOPE

Display of:

Actual values
Max. / min. values
Differential value
Memory utilization
Battery status

Setting of:

Time and date
Measuring cycle 125 msec .. 6 hrs.
Lower / upper alarm threshold
Averaging 2..600 values
Resolutions
Name of the measuring point (30 characters)
Storage procedure (rolling / static)
Power save mode

Setting via:

Keyboard
Interface cable and the TfsWin III software

Storage:

250 000 single values
Corresponds to a memory volume of several years in the sec measuring cycle and can be achieved with the data compression process

Software:

TfsWin III for data transfer and presentation
EsapPro III for the presentation and analysis of measuring data
Can be delivered as a single-user application as well as server application