

Atlas Copco LOGAC™

A computer based recording system



Atlas Copco LOGAC 4000 system is a computer based recording system for sampling and storing of data during grouting operations. The LOGAC 4000 system is characterised by its simplicity in operation.

The LOGAC system is designed for field operation and consists of the LOGAC 4000 recorder and the CFP meter unit. The system is provided either as a portable stand alone unit or as an integrated part in a UNIGROUT or a Grout System.

The LOGAC system is provided in two recorder versions, LOGAC 4100 recorder for one grout line and the LOGAC 4200 recorder for up to 8 grout lines. The CFP meter unit consists of one flow meter and one pressure meter and they can be added as separate units.

The logged parameters are; flow, pressure, volume, time, real time and hole number. All parameters are shown in real time on the LOGAC 4000 recorder display and stored on to a PC card. The LOGAC 4000 samples data 6 times per second and store it on the card every 10th second (default). The PC card can be kept as a permanent record for future references or reused over and over again. The logged data is stored as a text file and is easily imported to your standard Microsoft Excel program for viewing and print outs. Analysing of data and graphic presentation is also done in the program

The PC based Grout Monitor program is used for a quick view and list print out of the most important data from the completed grouting operation.

LOGAC 4100-recorder

LOGAC 4100-recorder for sampling of data from one grout line.

LOGAC 4200-recorder

LOGAC 4200-recorder for sampling of data from 1 to 8 grout lines. Every grout line is started and stopped individually.

CFP Meter Unit

The CFP Meter Unit consists of an electromagnetic flow meter and a pressure meter. The standard flow meter operates in a range of 0-200 l/min with a maximum allowed pressure of 40 bar (100 bar available as option). The standard pressure sensor covers a range of 0-100 bar. The CFP meter unit is equipped with cable and quick coupling for an easy connection to the LOGAC recorder.

Grout Monitor Program

The Grout Monitor Program is a PC based program used for quick and easy view and print out of data from the stored files i.e. hole number, date, time, grout pressure and grout volume.

TECHNICAL DATA

LOGAC

LOGAC 4111, no of lines:	1 (flow and pressure)
LOGAC 4288, no of lines:	1 to 8 (flow and pressure)
Sampling of:	flow, pressure, time
Storing of:	flow, pressure, volume, pumping time, real time and hole number
Dimension (l x h x w):	36 x 24 x 12 cm
Weight:	6,6 kg
Sampling frequency:	6 times/sec
Storing frequency:	1 per 10 sec (default)
PC card storing capacity 1 to 8 lines: (10 MB PC card)	85 hours
PC card capacity (standard):	10 MB
Power supply:	110/220 V – 50/60 Hz
IP standard:	IP 65



CFP Meter Unit

Flow meter range:	0-200 l/min (40 bar max. working pressure)
Pressure sensor range:	0-100 bar

The flowmeter is of the electromagnetic type, and consequently require an electrically conductive medium, in this case water or water/cement or the like as a fluid.



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Atlas Copco reserves the right to make modifications without prior notice.