

How does it work?

A data base is created using the DIFF PC software and copied onto the SD card for use with the Diff Automatic. This measurement reporting facility can be found in the menu of your DIFF under [STORAGE].

1. Insert the SD card into your PC and start DIFFiner. Select the SD card. Then create the project name. Enter as much known data as required. Create a database of fan speed, room types, grill type, grill positions and external influences.

2. Then fill in house or building design data, such as the design airflows. Using the button [NEW] at the bottom of the screen designate the zone/area being tested or select a zone/area from a previously created database. Design data can be created from another similar file. This has created the Project.

3. When ready insert the SD card in the DIFF Automatic (side of the display). Select [STORAGE] and select the [PROJECT] and the desired house or desired [BUILDING] (address, zip code + house number or name).

4. Now select the position of the Fans of the ventilation unit and then select the room to be measured.

5. Then choose the inlet or outlet grill to be measured.

6. The design flow and the measured values are shown. At this point the position and type of the grill can still be changed within the data base.

7. Measurements can be repeated if desired. When ready measurement results are saved by pressing the [ENTER] key.

8. The data base can be viewed. The following are displayed:

- Measured and design total flow rates.
- Resultant balance of pressure through the Diff Automatic. This resultant should always be zero. (Remember the Diff Automatic self-adjusts to ensure a zero pressure drop through the instrument.)
- Over or under pressure drops through Diff automatic are displayed.

9. When measurements are finished, take the SD card from the DIFF Automatic and place it in the PC. Enter DIFFiner and select the desired [PROJECT].

10. Print if required.

11. Company details and logo can be added to the measurement reports.

12. Print a report in HTML format or export to Excel. Multiple reports of several houses or buildings can be created. Select the required house(s) and or building(s) to view data

13. By selecting [PROJECT], [OPEN], [EXPORT] the project (.diff file) can be stored to another location. It is also possible to [IMPORT] a .diff file. As a precaution, DIFFiner will automatically create another project name when importing this preventing corruption of existing data.

“Measurement Reports” using measurements and or imported data can be created. Distribution of reports can be directed straight from the PC. Efficient, cost effective and above all accurate data readily available to all.



Rietdekkerstraat 6
2984 BM Ridderkerk

P.O. Box 60
2980 AB Ridderkerk
The Netherlands

Phone +31 (0)180 463 411
Telefax +31 (0)180 463 530
E-mail info@observator.com
www.observator.com

Available from :
BSRIA Instrument Solutions
Tel No. 01344 459314
www.bis.fm



MEETRAPPORF DIFF

Project	1000000001	Projectnummer	10
Opdrachtgever	NAVICBESID	OPF nummer	104
Uitgevoerd door	00000000	Datum	10-10-2010
Opmerkingen			

Gebouw	1000000001	Ventilatortype	SUPPLY 1000				
Ventilatorstand toevvoer	00	Ventilatorstand afvoer	00				
Ontwerpresultante (m3/h)	1100.0	Gemeten resultante (m3/h)	1100.0				
Ontwerptoevoer (m3/h)	1400.0	Gemeten toevvoer (m3/h)	1400.0				
Ontwerpaftervoer (m3/h)	1370.0	Gemeten aftervoer (m3/h)	1360.0				
Opmerkingen							
Ruimte	Ruimtenummer	Ruimtetype	Ruimtestand	Ruimtestand 1	Temperatuur (C)	Ontwerp debiet (m3/h)	Gemeten debiet (m3/h)
RDAC	TR0001	STW100	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0002	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
RD08	TR0003	STW100	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0004	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
RD05	TR0005	STW100	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0006	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
RDC	TR0007	STW100	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0008	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
VERKOOP	TR0009	STW0000	0000	OPENDOOR	+20.0	+20.0	+20.0
	TR0010	STW100	0000	OPENDOOR	+20.0	+20.0	+20.0
	TR0011	STW1	0000	OPENDOOR	+20.0	+20.0	+20.0
	TR0012	STW100	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0013	STW100	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0014	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0015	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0016	STW	0000	VERSLUIT	+20.0	+20.0	+20.0
VERBODEN	TR0017	STW0000	0000	VERSLUIT	+20.0	+20.0	+20.0
	TR0018	STW	0000	VERSLUIT	+20.0	+20.0	+20.0