

Installation Qualification Manual

Rheomat 180

Draw up : Jutta Schelske-Gehm	proRheo GmbH Date / Signature: /.....
Verified (System Owner): Ismar Hennes	Produktentwicklung proRheo GmbH Date / Signature: /.....
Release: Lothar Gehm	GL proRheo GmbH Date / Signature: /.....

Index

1	Modification Table	2
2	Purpose	3
3	Chart.....	3
4	System description and use.....	4
5	System design	4
6	List of parts	5
7	Starting up	6
8	Instrument check	8
9	System introduction	9
10	List of complaints.....	10
11	Annex	10
12	Annex IQM Logbook.....	11
13	Annex Form IQM complaint proof.....	12

1 Modification table

Date	Modification	Autor
2006-12-11	Version pR-180-8366 Stand 12/2006	J. Schelske-Gehm proRheo GmbH

2 Purpose

The Installation Qualification Manual (IQM) documents, if the instrument was installed according producer instructions. Viscosity measuring results with a tolerance of +/- 3 % can be obtained this way only.

IQM has always to be processed when a new system is installed.

IQM has always to be processed when the system had not been used for more than six months.

Any activity has to be documented in the logbook.

3 Chart

System	Rheomat 180
Serial Number	
Producer	proRheo GmbH
Supplier	Fuchs AG

Location	
Inventory Number	
System responsible	
Tel.	
System category	
Cost location	

Please fill in the grey marked squares.

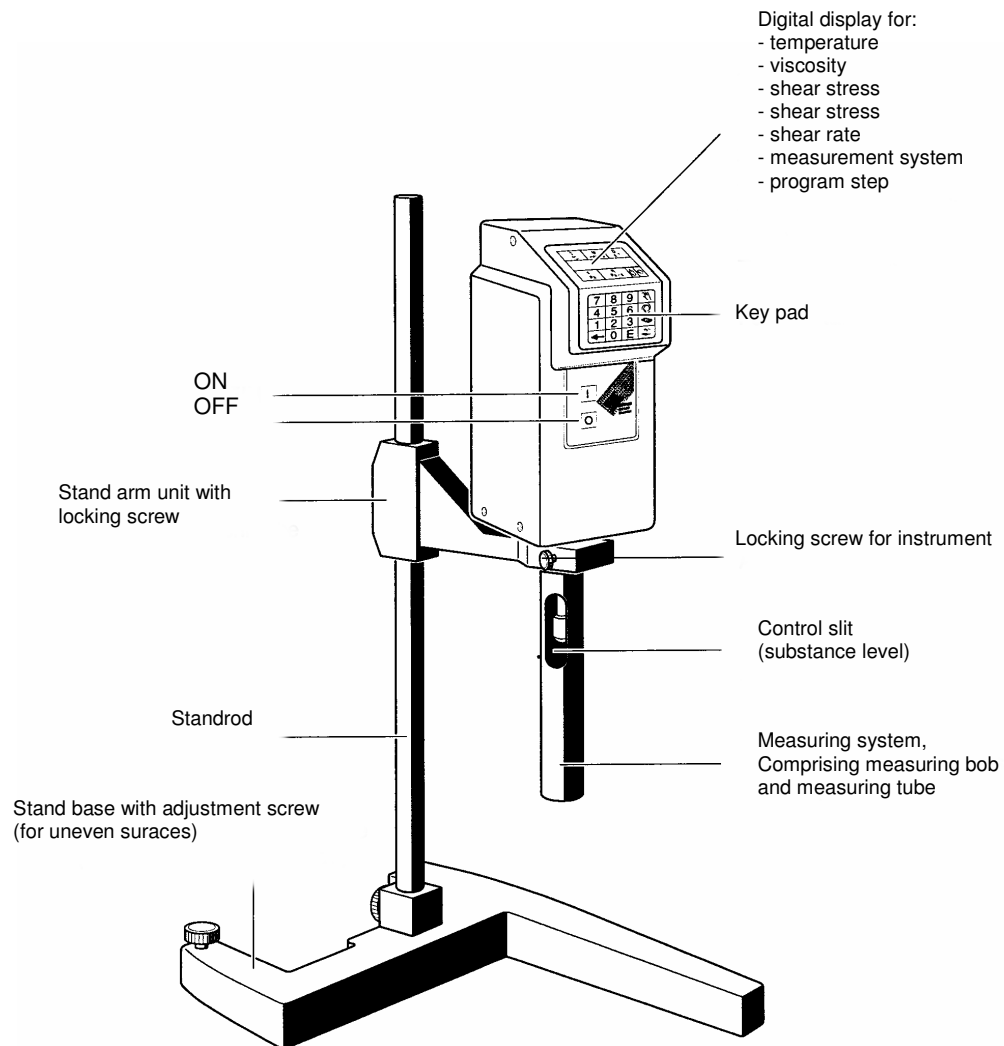
4 System description and use

The rheometer system includes the following components (see Tab. 1):

- Measuring head with power supply
- Measuring bobs and measuring tubes with caps
- Stand
- User manual and short operating instructions

Das Laborviskosimeter Rheomat R 180 ist zur Bestimmung der Viskosität von Flüssigkeiten geeignet.

5 System design



Tab. 1

6 List of parts

Test No.	Activity	Criterion of acceptance	No. of complaint
5.1	Check Hardware	The following hardware moduls must be available once at least. Type and serial number are noted if available.	
	Measuring head		
	Power supply		
	Measuring bob 1		
	Measuring bob 2		
	Measuring bob 3		
	Measuring tube 1		
	Measuring tube 2		
	Measuring tube 3		
	Cap 1		
	Cap 2		
	Cap 3		
	Stand base		
	Stand rod		
	Stand arm		
	CD Rhesy		

7 Starting up

Test No.	Activity	Criterion of acceptance	No. Of complaint
6.1	Set up of the instrument according producer's operating manual; Rheomat R 180 Edition 03.09	To use the instrument producer's operation manual and short instructions must be at hand. The originals must be stored in a safe place.	
Remarks:			

Activity done	Date:	Signature:

Test No.	Activity	Criterion of acceptance	No. Of complaint
6.2	Installation of Software according producer's operating manual; Connection of cable PC-R180. Rhesy S Edition 06.04	Software must be able to be started after installation.	
Remarks:			

Activity done:	Date:	Signature:

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Test No.	Activity	Criterion of acceptance	No. Of complaint
6.3	Producer's operation manual; Rheomat R 180 Edition 03.09	A copy of the operation manual must always be at hand for the user. The short instructions must be available near the system.	
Remarks:			

Activity done	Date:	Signature:

8 Instrument check

	Activity	Criterion of acceptance	No. Of complaint
	Determination of viscosity, using a standard reference	Tolerance between actual value and rated value is less than +/- 3 %.	
A measurement has to be carried out. The measuring results have to be documented in the list.			

Date	Temperature		Viscosity		Divergence	Signature
	rated	actual	rated	actual		

	Activity	Criterion of acceptance	No. Of complaint
	Control of a measurement by Software Rhesy S	Starting a measurement at a desired measurement procedure the measuring system R 180 must react, i. e. the measuring bob must rotate and after test measurement the measurement can be stored	
A measurement has to be processed. The measuring results have to be stored as data file.			

9 System introduction

	Activity	Criterion of acceptance	No. Of complaint
	System instruction	Set up and use of the instrument according to producers operation manual.	
The System introduction is to be documented in the IQM Logbook.			

10 List of complaints

IQM – list of complaints No.	Appearance		Redressal	
	Date	Signature	Date	Signature

11 Annex

No	Titel	Pages
	Calibration certificate of system production	1
	Annex: Introduced into the handling of viscosity measurement	1
	Annex Form IQM complaint proof.	1

12 Annex IQM Logbook

The first introduction is to be done by a person authorized by the producer.

Date	First instruction:	
	Instrument check by: Name	
	Instrument check by: Signature	
	System instruction: User Name	
	System instruction: User Signature	

Instructor: Name	Date	Instructed: Name	Signature:

Date	Note	Signature

13 Annex: Form IQM complaint proof.

Complaint No.		
Rheomat R180	Ser. No.:	
Date	Signature	
Note:		
Solution	Date:	Signature:

In case of complaint this part has to be filled and signed by the user after solution/repair by internal Qual/Val:

Solution	Date:	Signature:

Form to be copied and filled. A copy of the filled form is to be filed in the IQ Handbook. The complaint is to be listed in the List of complaints. The original form is to be sent to: _____