

Document Title: SC-1, LIT, User Manual-Pages		Part # 10711	
		Release Date: 2.15.2008	
Rev.	Description	Revision By	Date
3	Numbering errors	Bryce	11.28.2006
4	Added section on Manual & Auto Mode	Laura	12.1.2006
5	Utility Changes, & other misc changes	Justing	2.15.2008
6	Updated formatting, added accuracy spec & clarification on temp sensitivity, refer to DCO 00458	Sheri	2.16.2009
7	Added user Sensor Head calibration, Refer to PCR-533	Sheri	12.17.2009
8	Refer to ECO-00760, addition of diagnostic screen and many other product improvements	Sheri	10.2.2010
9	Addition of dessicant cartridge system	Sheri	10.15.2011
10	Addition of High RH readings in Calibration sections	Sheri	2.23.2012
11	Removed sycrometer constant & added grease explanation	Sheri	8.8.2012
12	Add bead retention screen to images and to cleaning procedures. Removed 800 number. Inserted cross references with page numbers instead of section names. Inserted info about removing screen for cleaning.	Sheri/Doug	2.28.2013
Date -- Time	Uploaded manual to repository. Available at http://manuals.decagon.com . Please ask archivist for previous versions or use Beanstalk application.	NJR	6.20.2013
14	Rebranded according to DCO 04555	CSC	7.17.2019
15	Multiple Edits according to https://app.asana.com/0/747632066803417/1141684913416179	CSC	1.31.2020
16	Replaced "Drierite" with "molecular sieve" https://app.asana.com/0/inbox/291002358953689/1175637805959250/1182679869989066	CSC	6.30.2020
17	Multiple edits according to DCO 13219 - UPDATE SC-1 LEAF POROMETER UM 12/2021	RKK, LAJ	12.2021

Production File name: http://publications.metergroup.com/Manuals/10711_SC-1_Print.pdf

Working File Name: /Volumes/GoogleDrive/Team Drives/Product Number Library/10700-10799/10711

Dimensions: 12.5" wide x 8" tall (folded, 8"H x 6.25"W)

Colors: CMYK/Full color 4/4

Printer Type: In-house printing

Material: Tabloid (11x17) Color Copy Digital

Image below is not to scale. For reference only.

T
 Temperature 4, 17
 Temperature/Condition 49
 Theory 26-31
 Troubleshooting 49-58
 Validation 49, 54
 Zero and Time read 49
 Zirconium 49, 54
 Zirconium oxide 49
 Zirconium oxide 2, 3, 7
 Zirconium 7-8, 18
 Zirconium hydroxide 49

V
 Vapor flux 59-61
 Verticality
 Velocity 28, 31
 Viscosity 28
 Volume 28, 31

TABLE OF CONTENTS

1. Introduction	1
2. Operation	2
2.1 Configuring	2
2.2 Taking Measurements	4
2.2.1 Measurement Considerations	4
2.2.2 Measurement Process	5
2.3 Saving Data	10
2.4 Viewing Data	11
2.5 Downloading Data	11
2.6 Erasing Data	14
3. System	16
3.1 Specifications	16
3.2 SC-1 Sensor Head	17
3.3 SC-1 Controller	19
3.3.1 Tube	19
3.3.2 Nozzle	23
3.4 Lead Fluoride Crystallinity	24
3.5 Theory	29
4. Service	33
4.1 Calibration	33
4.1.1 Verification Process	33
4.1.2 Calibration Process	35