

Specific report

acc. to DIN 50 049-2.3

Name Laser - Precipitation - Monitor

Type - No. 5.4110.00.200

Ident. - No. 00

Instrument - No. 0000645

Order - No. AB1100059

Confirmation

The standard reaction of this instrument is caused by the standardized type of this device as well as narrow tolerance of production.

We hereby confirm that the above-mentioned instrument was manufactured and calibrated according to DIN EN ISO 9001, under the observation of a certified quality assurance system.

Calibration

The measuring installations used for calibration are regularly calibrated and are based on the national or international standards.

Should no national standards exists, the measuring procedure corresponds with the technical regulations and norms valid at the time of the measurement.

Amount measurement

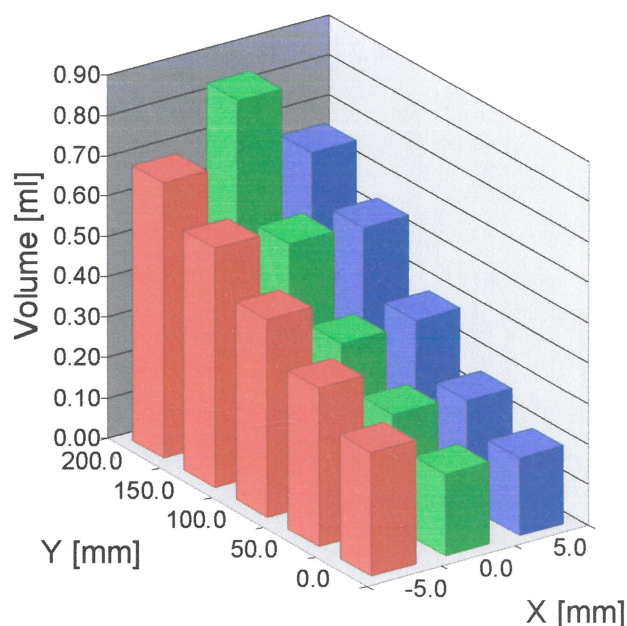
X-Position [mm]	Y-Position [mm]	Volume [ml]
-5,00	0,00	0,31
0,00	0,00	0,20
5,00	0,00	0,19
-5,00	50,00	0,39
0,00	50,00	0,28
5,00	50,00	0,26
-5,00	100,00	0,49
0,00	100,00	0,38
5,00	100,00	0,38
-5,00	150,00	0,59
0,00	150,00	0,55
5,00	150,00	0,54
-5,00	200,00	0,68
0,00	200,00	0,83
5,00	200,00	0,65

Average value: 0,449ml

Nominal volume: 0,448ml

Allowed variation: $\pm 5\%$ (0,426ml .. 0,471ml)

Amount assignment



23.3.2011

Date


Signature

ADOLF THIES GmbH & Co.KG

Hauptstraße 76

Postfach 3536 + 3541

Tel.: (0551) 79001-0

Internet: <http://www.thiesclima.com>

37083 Göttingen Germany

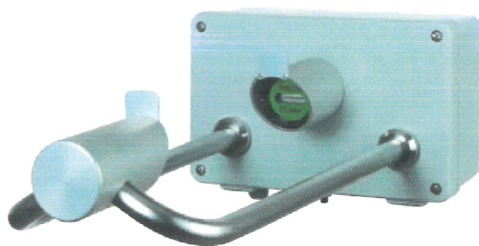
37025 Göttingen

Fax: (0551) 79001-65

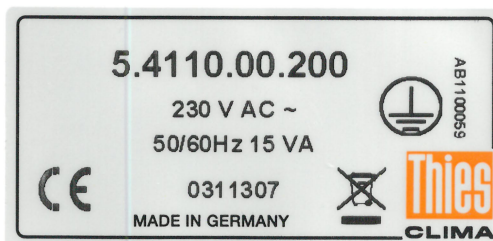
eMail: info@thiesclima.com

Factory Settings

of Laser-Precipitation-Monitor LPM



This description is part of the instruction manual 5.4110.XX.XXX. It details the instrument model and the instrument configuration (factory settings) in delivery condition.



Digital interface:

Baudrate 9600Baud, N81	Duplex mode Full duplex	Output telegram SYNOP, METAR, Disdrometer
----------------------------------	-----------------------------------	---

Model:

Power supply 230V AC/DC	Optional channels No	Extended Heating No
-----------------------------------	--------------------------------	-------------------------------

Parameter list:

Function	Setting	Parameter	Value
Average trigger count	Trigger value: 50	AC	00050
Calibration size measurement	Calbration value: 2143mV/mm ²	AG	02143
Analog Power	switched on	AP	00001
Temp. internal calibration	Calibration: 103	AT	00103
Measuring area	A=4600mm ² *1000/954	AU	00954
Amount adjustment	Adjustment factor: 100%	AV	00100
Adjustment 100Ohm reference	Adjustment value: 0	AX	00000
Adjustment 127Ohm reference	Adjustment value: 1	AY	00001
Time calibration	Calibration value: 105	AZ	00105
Duplex mode	is full duplex	BD	00000
Baudrate	9600Baud 8,N,1	BR	00005
Digital output 1	Precipitation quantity 0.1mm (10Hz)	D1	00013
Digital output 2	Precipitation type	D2	00019
Extended heating	not active	EH	00000
ULTRASONIC device- ID	Device-ID:0	ID	00000
Optional meas channels	switched off	OM	00000
Output rate	Output rate: 100ms	OR	00100
Output rate	Output rate: 100ms	SB	99999
Serial number	Serial number: 645	SN	00645
Software version	Version: 243	SV	00243
Internal Trigger	Trigger value: 6	TC	00006
Data Telegram	SYNOP, METAR, Disdrometer	TM	00004
Time of telegramm 10 in minutes	Time of extrem values, averaging, telegram output	TO	00010
Internal trigger value	Trigger value: 25	TV	00025