



Illustration:  
(1509 S18) with tipping buckets

#### All in good time...

reliably registered with strip chart and drum recorder.

Precipitation is registered free of manipulation. Especially in remote locations, which can only be controlled sporadically, a recording time of 31 days is of great advantage. Depending on the conditions of employment, the varieties can be used year-round out of doors and up to  $-20^{\circ}\text{C}$  (with heater)

- very robust measuring system with precision bearing
- wide temperature range of application
- easy to mount/easy to use
- data logging requires no auxiliary power

classical meteorology and hydrology • in combination with lysimeters • sewage plants • sanitary land fills • building services • water management • agriculture • forestry

#### Professional Line

Measuring elements:

Measuring ranges:

Clockwork accuracy:

Resolution/ Scale:

Collecting surface:

Range of application:

Housing/ Measuring Cylinder:

Dimensions/ Weight:

Standards:

Options:

Varieties and accessories:

Data logger:

#### Series (1507) and (1509) Precipitation Recorder according to Hellmann

(1507) drum recorder • (1509) strip chart recorder

80 mm recording height / 10 mm precipitation quantity

10 l collecting can • 500 mm precipitation quantity

200 cm<sup>3</sup> measuring cylinder • 10 mm precipitation quantity

$\pm 50$  s/ day

0.1 mm/ 0...10 mm • recorder and measuring cylinder: 0.05 mm

200 cm<sup>2</sup>/ WMO standard

operating temperatures 0...+60°C • -20...+60°C with electr. controlled heating

zinc plate • RAL 7038 (agate-grey) • polystyrene acc. to DIN 58667

H 1200 mm • proof-Ø 420 mm • housing-Ø 302 mm • 21 kg

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Varieties with **tipping bucket** (see figure) and **data logger** on request.

Different alternatives and accessories see page 27.

See page 93 ff.



# PRECIPITATION RECORDER

## Varieties and Accessories

### Precipitation recorders series (1507)

Id-No.	00.15072.010.000	00.15072.020 000	00.15072.210 000	00.15072.220 000
Code	(1507)	(1507 a)	(1507 H42)	(1507 a H42)
Recording period:	7 days	1 days	7 days	1 days
Recording reserve:	10 hours	2 hours	10 hours	2 hours
Operating temperatures:	0...+60°C	0...+60°C	-20...+60°C	-20...+60°C
Heating:	–	–	42 V <sub>AC</sub> · 215 VA	42 V <sub>AC</sub> · 215 VA
Chart speed:	2.29 mm/h	16 mm/h	2.29 mm/h	16 mm/h
Accuracy of registration:	0.1 mm with max. 0.5 mm/min	0.1 mm with max. 3.5 mm/min	0.1 mm with max. 0.5 mm/min	0.1 mm with max. 3.5 mm/min

### Precipitation recorders series (1509)

Id-No.	00.15090.010.000	00.15090.020 000	00.15090.210 000	00.15090.220 000
Code	(1509-10)	(1509-20)	(1509-10 H42)	(1509-20 H42)
Recording period:	31 days	31 days	31 days	31 days
Recording reserve:	1 day	1 day	1 day	1 day
Operating temperatures:	0...+60°C	0...+60°C	-20...+60°C	-20...+60°C
Heating:	–	–	42 V <sub>AC</sub> ● 215 VA	42 V <sub>AC</sub> ● 215 VA
Chart speed:	10 mm/h	20 mm/h	10 mm/h	20 mm/h
Accuracy of registration:	0.1 mm with max. 2.5 mm/min	0.1 mm with max. 4.5 mm/min	0.1 mm with max. 2.5 mm/min	0.1 mm with max. 4.5 mm/min

### Accessories

32.15070.030 000	(1507 U30)	<b>Snow cross</b> · weight 0.2 kg · for (1507) and (1509)
32.15070.121 000	(1507 U121)	<b>Protection ring</b> against birds · for (1507) and (1509)
32.15070.010 000	(1507 U10)	<b>Pipette</b> (glas tube) · for (1507) and (1509)
34.15070.002 000	(1507 U2)	<b>Float</b> with guide tube · for (1507) and (1509)
34.15070.149 000	(1507-149)	<b>Dirt pan</b> · for (1507) and (1509)
34.15070.001 000	(1507 D1)	<b>Graph paper</b> · 100 sheets · 0.5 kg · 1 day · for (1507)
34.15070.002 000	(1507 D2)	<b>Graph paper</b> · 100 sheets · 0.5 kg · 7 days · for (1507)
34.15090.003 000	(1509 D3)	<b>Recording chart rolls</b> · 12 rolls · 1.2 kg · 31 days · 20 mm/h for (1509)
34.15090.004 000	(1509 D4)	<b>Recording chart rolls</b> · 12 rolls · 1.2 kg · 31 days · 10 mm/h for (1509)
33.02520.144 000	(252-144)	<b>Felt-tipped pens</b> · 6 pieces · violet · for (1507) and (1509)

### Accessories for heated models (H-models):

00.15123.242 000	(15123)	<b>Filament transformer</b> [formerly (1518T)] supply voltage 230 V <sub>AC</sub> · output voltage 42 V <sub>AC</sub> / 250 VA · protection class IP 65 dimensions 220 x 168 x 116 mm · weight 6 kg
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Connecting cable between sensor/ filament transformer on request.