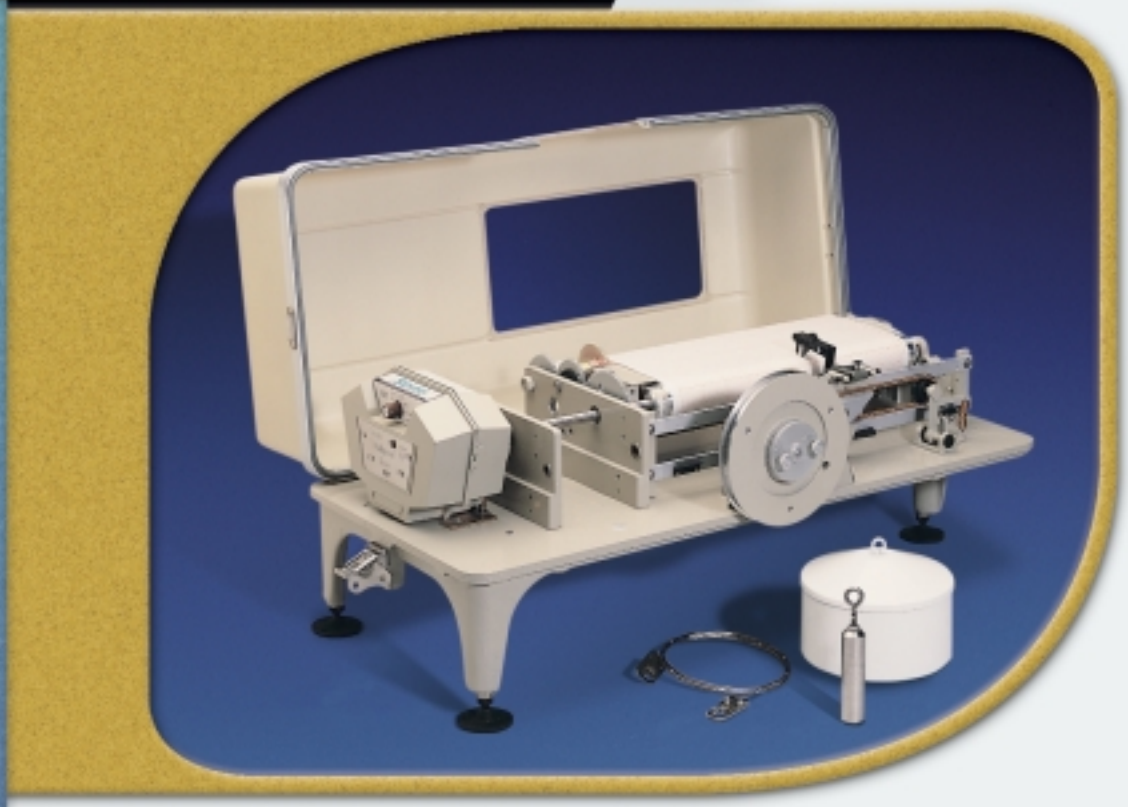
A-71 Water Level Chart Recorder

Features

- Long-Term, Unattended Operation
- Low Power
- Immediate Charted Measurements
- Easy to Install and Maintain
- Time Proven Reliability

Applications

- Stream Gaging
- Ground Water Level Measurement
- Irrigation Canals



Description

The Type A-71 Water Level Chart Recorder is the world's most time-proven standard in quality and reliability for installation where continuous, long-term water level measurement operations are required. Over 40,000 Stevens Chart Recorders have been installed and used both as a primary and backup instrument to record water level. Flow data may also be obtained when it is used with weirs, flumes or where water level is an index of flow.

The Type A-71 can be used simultaneously with electronic data loggers. The Stevens PG-III, A/F Encoder or SDI-12 Encoder can easily be attached directly to the Type A-71 to transmit pulses to a data logger or used for real-time transmission of water-level information. Other sensor output can by charted on the Type A-71 using the Stevens Electro Chart Drive.

Time scales are designated by the number of inches of chart used in one day. The time scale with a Quartz Multispeed Timer (QMT) is as follows:

Inches (cm) per day	Major Division 0.1 in. (0.25cm)	Major Division 1.2 in. (3.0cm)	Chart Life
0.6 (1.5)	48 hours	4 hours	4 years
1.2 (3.0)	24 hours	2 hours	2 years
2.4 (6.1)	12 hours	1 hour	1 year
4.8 (12.2)	6 hours	30 minutes	6 months
9.6 (24.4)	3 hours	15 minutes	3 months
19.2 (48.8)	1.5 hours	7.5 minutes	1.5 months
38.4 (97.5)	45 minutes	3.75 minutes	22.5 days

Chart Life with an optional Chelsea Spring Driven Clock is 3 months to 2 years.

A-71 Water Level Chart Recorder

Corporate Headquarters

5465 SW Western Avenue

Suite F

Beaverton, Oregon 97005

503.469.8000 Tel

800.452.5272

503.469.8100 Fax

E-mail: info@stevenswater.com

Branch Offices

14100 Parke Long Court

Chantilly, Virginia 20151

703.968.7575 Tel

703.968.7581 Fax

Austin, Texas

512.267.6559 Tel

512.267.6592 Fax

Technical Specifications

Chart Drive Options

Quartz Multispeed Timer (6 month battery)
4.5 or 6 month negator spring-driven clock

Operating Temperature

-20° to +160°F
(QMT with 6 Alkaline D Cells)
To -40°F
(lead acid battery or negator spring)

Size

Height – 11 inches (279mm)
with cover closed
Height – 16.5 inches (419mm)
with cover open
Length – 24.125 inches (613mm)
Width – 12.5 inches (618mm)
Approximate shipping weight –
45 lbs (20.41Kg)

Ordering Information

The Type A-71 standard gage scale is 1:6 English (part number 90090-001) or 1:5 metric (part number 90090-002) and includes two cartridge pens, a Quartz Multispeed Timer with batteries, one roll of chart paper. In addition, please specify desired pulley, float and float line part number.

Part #	Description	Size	Part #	Description	Size
10160	Pulley for beaded line	18 inch	10318	Pulley for beaded line	375mm
10165	Pulley for float tape	18 inch	10322	Pulley for float tape	375mm
20447	Float (1)	6 inch (150mm)	48214	Counter weights (1)	8oz
20449	Float (1)	8 inch (203mm)	48215	Counter weights (1)	10oz
20451	Float (1)	10 inch (254mm)	48216	Counter weights (1)	12oz
20452	Float (1)	12 inch (305mm)	48217	Counter weights (1)	12oz
20453	Float (1)	14 inch (356mm)	15147	End hooks	N/A
23994 19343	Float line-beaded (2)	6 inch bead spacing or 125mm bead spacing	27371 27370	Float tape – blank (2)	6 inch center 12.5cm center (2)

Replacement parts and optional accessories:

Part #	Description	Part #	Description
90035	A-10 English chart paper – 12 pack (P/N 14956 for one roll)	90036	A-25 Metric chart paper – 12 pack (P/N 14959 for one roll)
10311	Guide pulley for float line	10313	Guide pulley for float tape
90030	Cartridge pens for 12 pack 12 pack (P/N 25387 for one roll)	10050	Reversal indicator

(1) Other non-standard float and counter weight sized/configurations available. Please contact Stevens.
(2) Specify length of float line or float tape. Please contact Stevens for graduated tape options.