

Type A-04 Chart Recorder with protective cover removed

Description

The Type A-04 Water Chart Level Recorder is the world's most time-proven standard in quality and reliability where continuous, long-term water level measurement operations are required. Over 40,000 Stevens Chart Recorders have been installed and used both as primary and backup instrument for a true real-time water level record. 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-04 can be easily integrated with electronic data loggers. The Stevens A/F (quadrature) Encoder or SDI-12 Encoder can easily be attached directly to the Type A-04. The design of the encoders eliminates any concern over excess torque that may occur with an external sprocket chain driving an encoder. Stevens' directly attached encoders provide an electronic signal of level for a data logger and/or telemetry modem communications.

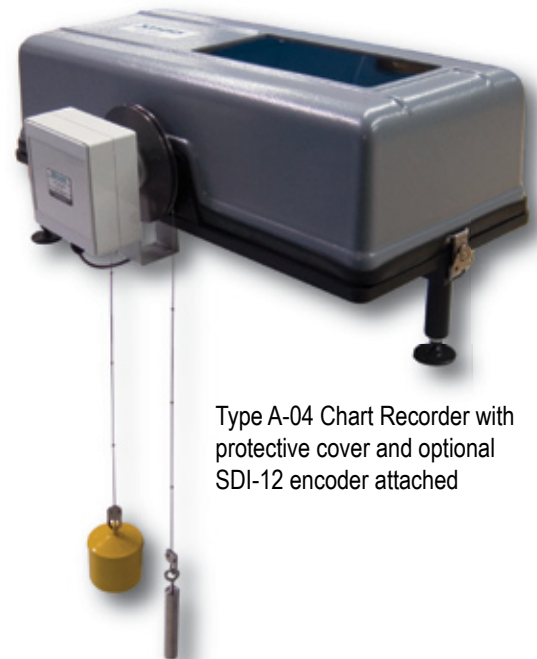
Inches (cm) per day	Major Division 0.1 in. (0.25 cm)	Major Division 1.2 in. (3.0 cm)	Chart Life
0.6 (1.5)	48 hours	4 hours	4 years
1.2 (3.0)	24 hours	2 hours	2 years
2.4 (6.1)	12 hours	1 hour	1 year
4.8 (12.2)	6 hours	30 minutes	6 months
9.6 (24.4)	3 hours	15 minutes	3 months
19.2 (48.8)	1.5 hours	7.5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

Features

- Long-term, unattended operation
- Low power
- True real-time, continuous measurement
- Time-proven reliability

Applications

- Stream, lake, river, reservoir and tide gaging
- Ground water level measurement
- Irrigation Canals
- Tank level



Type A-04 Chart Recorder with protective cover and optional SDI-12 encoder attached

A-04 Water Level Chart Recorder

Technical Specifications

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Since 1911, Stevens Water Monitoring Systems, Inc. has been a leading manufacturer of:

- Water Level Sensors
- Water Quality Sensors
- Soil Moisture Sensors
- Chart Recorders
- Staff Gages
- Telemetry Systems
- Data Collection Platforms

Chart Drive Options

Quartz Multispeed Timer
(6 month battery)

Operating Temperature

-20 to +160 F
(QMT with 6 Alkaline D Cells)
-40 F with lead acid battery

Size

Height: 11 in. (279.4 mm)
with cover closed
9.5 in. (241.3 mm) with cover off

Length: 24.125 in. (612.7 mm)

Width: 11 in. (279.4 mm)

Approximate Weight: 25 lbs (11.33 kg)

Ordering Information

The Type A-04 standard gage scale is 1:6 English (part number 93504-001) or 1:5 metric (part number 93504-002) and includes two cartridge pens, a Quartz Multispeed Timer with batteries and one roll of chart paper. In addition, please specify desired pulley, float and float line part numbers.

Part #	Description	Size	Part #	Description	Size
10160	Pulley for beaded line	18 inch (457 mm)	10318	Pulley for beaded line	375 mm
10165	Pulley for float tape	18 inch (457 mm)	10322	Pulley for float tape	375 mm
20447	Float (1)	6 inch (150 mm)	48214	Counter weights (1)	8 oz
20449	Float (1)	8 inch (203 mm)	48215	Counter weights (1)	10 oz
20451	Float (1)	10 inch (254 mm)	48216	Counter weights (1)	12 oz
20452	Float (1)	12 inch (305 mm)	48217	Counter weights (1)	16 oz
20453	Float (1)	14 inch (356 mm)	15147	End hooks	N/A
23994	Float line, beaded (1)	6 in. beaded spacing	27371	Float tape, blank (2)	6 in. center
19343		or 125 mm beaded	27370		12.5 in. center(2)

Replacement parts and optional accessories

Part #	Description	Part #	Description
90035	A-10 English chart paper, 12 pack	90036	A-25 Metric chart paper, 12 pack
14956	A-10 English chart paper, single roll	14959	A-25 Metric chart paper, single roll
10311	Guide pulley for float line	10313	Guide pulley for float tape
90030	Cartridge pens, 12 pack	25387	Cartridge pen, single unit
93012	SDI-12 Encoder attachment	44903	A/F Encoder attachment

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