



3639-20 PULSE LOGGER

LOGGER



Simple, economical pulse logging for a wide range of uses

Pulse Totalizer for Hygrometers, Flowmeters etc.

- Compact, light weight (130g) and easy to install
- High-capacity recording (up to 32,000 data points)
- Accumulates up to 9,999 counts
- Noise filtering to minimize the possibility of miscounts
- Data is protected during battery discharge and replacement
- Recording interval selectable in 16 steps between once/second and once/day
- Accepts a wide range of input voltages
- View recording data graphically or numerically on a PC
- Alarm output provided (with selectable threshold)



HIOKI Model 3639-20



■ Cumulative Rainfall Measurement



■ Cumulative Power Data Collection
(Watt-hour meter with pulse output terminal)



■ Cumulative Flow Measurement



ISO14001
JQA-E-90091



<http://www.hioki.co.jp/>

HIOKI company overview, new products, environmental considerations and other information are available on our website.

■ HIOKI 3639-20 PULSE LOGGER Measurement Function Specifications

Input	Pulse input: 1 channel <ul style="list-style-type: none"> No-voltage input connection (e.g., switch or relay) counts when contact across terminals changes from short to open. Voltage input: +1.5 to 45V high, 0 to 0.2V low (logic state is undetermined between 0.2 and 1.5V) A count occurs when voltage level becomes high
Measurement accuracy	±1 dgt. or better
Clock precision	±100 ppm or better (±100 μs per second error) at 23 ±5°C
Measurement range	Display: 9,999 counts/interval "OF" is displayed for 10,000+ counts (internal data is also "OF")
Input filter	For mechanical contacts: Pulse width at least 20 ms with at least 40 ms interval (max. 25 Hz) For electrical connections: Max. 10 kHz
Display	Measured value (refreshed by setting recording interval), Recording status (while recording or awaiting preset start time), Recording interval (when set), Battery status (4-step remaining battery charge meter), Preset start indicator, Alarm setting
Recording data quantity	32,000 data points
Recording start	Manual, or at preset time
Recording end	Manual, or when memory full
Recording interval	1, 2, 5, 10, 15, 20, 30 seconds 1, 2, 5, 10, 15, 20, 30, 60 minutes, or 1 day
Recording methods	One-time recording: Stops when memory full, Endless recording: Older data is overwritten when memory full
Settings	By panel buttons: Recording interval, manual start/stop, measurement display on/off By PC software: Current time, recording interval, recording start, recording method, input filter switching, alarm enable/disable, alarm threshold
Alarm output	Activated when input reaches a preset threshold count, (open-drain output: max. 200 mA at 30V DC, 200 mW dissipation)

Supplied accessories



HIOKI 9629
CONNECTION CABLE



HIOKI 9632
CONNECTION CABLE

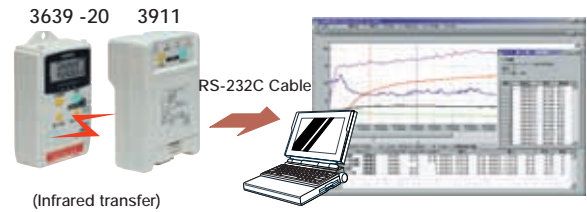


HIOKI 3911
COMMUNICATION BASE

Option

Data Analysis and Processing on a PC

Data can be transferred to a PC using the HIOKI 3911 COMMUNICATION BASE. Up to 32,000 data points from each of 8 channels can be collected and then transferred to the PC for analysis and processing.



Settings that can be made from communications software: current time, recording interval, recording method, comment entry, recording mode, alarm

■ HIOKI 3911 COMMUNICATION BASE Specification

Recording capacity	Up to 16,000 data points × 16 channels, Up to 32,000 data points × 8 channels
Communication method	Infrared between Leak Logger and 3911, RS-232C serial between 3911 and PC
Power	Four AAA size alkaline batteries (LR03 × 4)
Max. power consumption	0.2VA
Size & weight	Approx. 69(W) × 92(H) × 36(D) mm, approx. 150 g
Supplied accessories	PC communications software, user's guide and operating manual
Supported operating systems	Windows 9x, NT 4.0

■ HIOKI 3639-20 PULSE LOGGER General Specifications

Backup	: Data backup is provided (data is preserved when batteries are exhausted or replaced)
Interface	: Serial infrared. Requires separate HIOKI 3911 COMMUNICATION BASE
Power	: Four 1.5V AAA size alkaline batteries (LR03 × 4)
Battery life	: More than three months (measuring enabled, display off, measurement interval 10 minutes or more, non-voltage input connection, at 23 ±5°C)
Max. power consumption	: 0.1VA
Dimensions	: Approx. 57.5(W) × 86.5(H) × 30(D) mm (excluding projections)
Weight	: Approx. 130 g (including batteries)
Operating temp. & humidity	: 0 to 50°C, 80% RH max. (non-condensating)
Supplied accessories	: HIOKI 9629 CONNECTION CABLE (Measurement Input) HIOKI 9632 CONNECTION CABLE (Alarm Output) AAA-size Alkaline Batteries (LR03 × 4), User's Guide
Option	: HIOKI 3911 COMMUNICATION BASE

Model 3639-20 PULSE LOGGER

■ Option

Model 3911 COMMUNICATION BASE
Model 9629 CONNECTION CABLE (supplied with 3639, 5 m)
Model 9632 CONNECTION CABLE (supplied with 3639, 1 m)
Model 9637 RS-232 CABLE (9-pin to 9-pin crossover, 1.8 m)
Model 9638 RS-232 CABLE (9-pin to 25-pin crossover, 1.8 m)

HIOKI

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All information correct as of Apr. 5 2001. All specifications are subject to change without notice.

■ Internet HIOKI website <http://www.hioki.co.jp/>

363920E2-14B-05P Printed in Japan