



TERMOD

SOMOS LA PLATA



Kit, transmisor de caudal FL900 con el módulo analizador AV9000

de producto:

FL900AV.97

CLP Precio:
Disponible

Contacto Termodinámica

By pairing Hach's Submerged AV Sensor with our state-of-the-art Hach AV9000 Analyzer Module, you create a powerful Hach Submerged Area Velocity Meter (FL900AV) which provides "cleaner", more precise data than ever before.

Our Submerged AV Sensor is a robust, 1 MHz Acoustic Doppler velocity sensor designed to measure wastewater flow with improved accuracy and reliability. This tried-and-true sensor also uses a pressure transducer to measure flow level and incorporates advanced technologies to ensure precision, including automatically correcting for temperature and velocity effects on measurements. With advanced signal processing and filtering options, the AV9000 Analyzer Module expands the

applicability of the sensor into more difficult applications. Plus, advanced analyzer diagnostics, including capture and display of the Doppler spectra, allow you to verify that the sensor is working properly even before you leave the site, giving you peace of mind.

Reliable, Budget-Saving Monitoring

The FL900 Flow Logger provides users with a reliable, budget saving solution for open channel portable flow monitoring applications. The robust logger’s time-saving features will drastically decrease site time and increase safety for monitoring crews. The Logger LED provides instant communication verification of correct site set-up and flow meter communication prior to leaving the site.

Increase Monitoring Crew Safety

With the time saving features designed into the FL900 Flow Loggers, crews spend less time in the manhole and less time on site to decrease monitoring costs while increasing the safety of flow monitoring crews.

Improved Accuracy

The AV9000 Area Velocity Analyzer module is compensated

for temperature, thus eliminating potential velocity

errors of 2.7% over a 10°C seasonal swing*. Its advanced

multi-scale digital Doppler analysis provides the optimal

combination of resolution and noise immunity. Mirror Image

Processing eliminates sign errors and the advanced Target

Set Processing reduces the impact of dominant targets

(particles) in the stream to deliver a more representative

velocity.

Easy Installation/Versatile Mounting Options

The logger can be quickly attached to a wall, pole or manhole ladder in minutes. Users can choose to hang logger from standard carabiner or optional 4-bolt wall mount for pole, horizontal or vertical wall mount or ladder rung mount.

Especificaciones

Alarma:	16 canales máximo
Almacenamiento de datos:	máximo de eventos en memoria flash no volátil
Alternate KTO?:	No
Altura:	400 mm
Certificaciones:	Transmisor: CE, fuente de alimentación de CA opcional: UL/CSA/CE
Comunicación:	Comunicaciones locales: USB, RS232 (velocidad de transferencia: 9600, 19200, 38400, 57600, 115200)
Comunicación (opcional):	Comunicaciones remotas (opcional): Módem inalámbrico: CDMA 1xRTT o GPRS
Condiciones de almacenamiento:	-40 °C - 60 °C
Dimensiones (A x A x P):	400 mm x 254 mm x 220 mm
Error de profundidad inducida por la velocidad:	Compensated based on flow velocity
Exactitud:	Exactitud de base de tiempo: ± 0,002 %, sincronizado cada 24 horas con el software de servidor y el módem
Exactitud nivel:	±0.16% full scale ±1.5% of reading @ constant temp (±2.5°C) ±0.20% full scale ±1.75% of reading

	from 0-30°C (32-86°F)
	±0.25% full scale ±2.1% of reading
	from 0-70°C (32-158°F)
Exactitud velocidad:	±2% of reading or 0.05 fps
Garantía:	12 meses
Idiomas del manual:	English
Material:	Espuma estructural PC/ABS
Método medición de nivel:	Differential pressure transducer with stainless steel diaphragm and atmospheric pressure reference
Método medición de velocidad:	Doppler ultrasonic; twin 1 MHz piezoelectric crystals
Módem:	Non-Wireless
Nivel permitido:	Standard: 10.5 m (34.5 ft) Extended: 31.5 m (103.5 ft)
Peso:	Sin pilas: 4,5 kg
Pre-configuration?:	AV9000 Module
Profundidad operativa mínima:	2 cm (0.8cm)
Protección ambiental:	NEMA 6P
Protocolo:	Modbus RTU local
Puertos sensor:	1, 2 o 4 puertos
Rango de medición recomendado:	-1.52 to 6.10 m/s (-5 to 20 ft/sec)
Rango de nivel:	Standard: 0–3 m (0–10 ft) Extended: 0–9 m (0–30 ft)
Rango de temperatura de operación:	De -18 a 60 °C al 95 % de humedad relativa
Registrador de datos:	máximo
Registro:	1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30 o 60 minutos.
Requisitos de alimentación (voltaje):	8 - 18 V DC
Sensor Connector:	1, with AV9000
Sensor Connectors:	1, no aux
Sensores compatibles:	Sensor Area Velocidad Sumergido
Sensors Included:	Sub AV
Transferencia de datos:	Historial de muestra: 2000 eventos de muestra como máximo en memoria flash no volátil
Transmisión de datos:	Registro de datos: 325 000 puntos de datos; 1128 días por 3 canales a intervalos de registro de 15 minutos
Vida útil de la batería:	296 días con sensor Sub AV con el analizador AV9000: 4 baterías alcalinas Lantern (sin módem, a temperatura ambiente) en intervalos de registro de 15 minutos