

2105 Network Interface Module - Specifications

Size (HxWxD):	2.2 x 11.3 x 7.5 in. (5.4 x 28.7 x 19.1 cm)
Weight:	2.0 lbs. 0.9 kg
Material:	High-impact polystyrene, stainless steel
Enclosure:	NEMA 4X, 6P and IP68
Temperature Range:	-40°F to 140°F (-40°C to 60°C)
Power Required:	12 VDC nominal (7.0 to 26 VDC), 100 mA typical, 1 mA standby, 2 A maximum.
Power Source:	Typically an Isco 2191 Battery Module, containing 2 alkaline or 2 rechargeable lead-acid batteries. (Other power options are available; ask for details.)
Typical battery life:	Using 15-minute data storage interval— Energizer® Model 529 alkaline, 15 months; Isco rechargeable lead-acid, 2.5 months
Program Memory:	Non-volatile, programmable flash; can be updated using PC without opening enclosure; retains user program after updating

Data Handling and Communications

Data Storage:	Non-volatile flash; Retains stored data during program updates; Capacity 798,000 bytes (up to 158,000 readings, equal to over 270 days of rainfall, temperature, conductivity, and pH readings at 15-minute intervals, plus input voltage readings stored at 12-hour intervals)
Data Types:	Flow Rate, Level, Rainfall, Conductivity, Dissolved Oxygen, Temperature, pH, Percent, Velocity, Volume, Total Dissolved Solids, Salinity, Phosphate, Ammonia, Nitrate, TOC, COD, Total Suspended Solids, Sludge Index, Sludge Volume, SAC, Turbidity, Load, Input Voltage, Wireless Signal, Rainfall Intensity, Specific Conductance, Chloride, Chlorophyll, O.R.P., Ammonium
Storage Mode:	Rollover; 5 bytes per reading
Storage Interval:	15 or 30 seconds; 1, 2, 5, 15, or 30 minutes; or 1, 2, 4, 12, or 24 hours. Storage rate variable based on level, velocity, flow rate, total flow, or input voltage
Data Retrieval:	Serial connection to PC or optional 2101 Field Wizard module; optional modules for spread spectrum radio; land-line or cellular modem; 1xRTT. Modbus and 4-20 mA analog available.
Software:	Isco Flowlink for setup, data retrieval, editing, analysis, and reporting
Multi-module networking:	Up to four 2100 Series modules, stacked and/or remotely connected. Maximum distance between modules is 3,300 feet (1000 m)
Serial Communication Speed:	Up to 38,400 bps

2191 Battery Module

Size (H x W x D):	6.0 x 9.6 x 7.6 in. (152 x 244 x 193 mm)
Weight (w/o batteries):	3.2 lbs. 1.4 kg
Materials of construction:	High-impact polystyrene, stainless steel
Enclosure:	NEMA 4X, 6P (IP68)
Batteries:	Two 6-volt Energizer Model 529* alkaline (26 Ah capacity) or Isco Rechargeable Lead-acid (5 Ah capacity) recommended. *Note - Energizer 529 ER and EN529 do not give specified life.