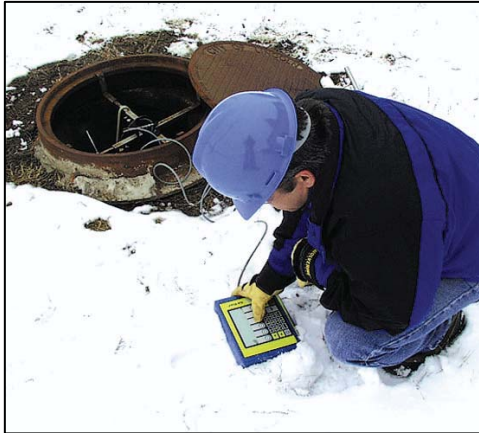


Isco 2101 Field Wizard® Module

Avoid the complexity and risks of damage in field use of laptop PCs

The 2101 Field Wizard module is a rugged, environmentally sealed instrument for retrieving and transferring stored flow data. Unlike vulnerable notebook PCs, the Field Wizard is extremely durable and is built to survive the hazards of field use.



The Field Wizard can interrogate a stack containing up to four 2100 Series area velocity and ultrasonic flow modules. It can download and store more than 14 days* of data from as many as 20 individual 2100 Series flow modules. In addition, the Field Wizard allows you to adjust level settings on the area velocity and ultrasonic flow modules.

For on-site display, you can clip the Field Wizard directly to a stack of 2100 Series flow modules. A 10 ft module extension cable is also included, allowing the Field Wizard to be hand-held at a comfortable distance from the installed equipment.

Data collected from multiple sites can be transferred directly to a PC running Isco Flowlink® Software, through an optional connecting cable.

Standard Features

- ◆ “Smart” retrieval capabilities, when synchronized with Flowlink® software
- ◆ Rugged NEMA 4x, 6P (IP68) case
- ◆ Large, easy-to-use keypad

**based on 15-minute data storage intervals.*



The Field Wizard is a rugged, weatherproof alternative to fragile laptop PCs for I&I and other in-field operations.

Applications

- ◆ Efficient and reliable data retrieval and meter configuration in collection system flow studies
- ◆ Eliminating the complexity and risks of damage in field use of laptop PCs

Informative, Easy-to-Read Display

The 8 x 40-character backlit LCD has variable contrast control, selectable backlight modes, and wide-angle viewing to make reading easy under all conditions. Information displayed includes:

- ◆ Current readings
- ◆ Information about stored data
- ◆ Battery voltage and remaining capacity
- ◆ Diagnostics information



Large viewing screen has variable contrast control, selectable backlight modes, and wide-angle viewing, to make reading easy under all conditions.

Specifications

Isco 2101 Field Wizard Module			
Dimensions (HxWxD)	2.9 x 11.3 x 7.5 in (74 x 287 x 190.5 mm)	Data/Parameter Display Refresh Rate	15 seconds
Weight	2 lbs (0.91 kg)	2100 Modules Connected Per Site	Up to 4
Material	High-impact Polystyrene	Dynamic Data Storage	Non-volatile FLASH memory, 482,345 readings, 5 bytes per reading
Enclosure (self-certified)	NEMA 4X, 6P and IP68 (connectors capped)	Capacity (2100 Modules downloaded)	Maximum 20 (Limited by number of modules displayable on Field Wizard). Minimum 6 (Limited by 2101 data storage when downloading the maximum data capacity from each module).
Operating Temperature	-4°F to 140°F (-20°C to 60°C)	Data Types	Parameters compatible with Flowlink® and 2100 flow modules (level, velocity, flow, battery voltage, totalized flow, temperature)
Storage Temperature	-40°F to 140°F (-40°C to 60°C)	Storage Mode	Slate (stops when full; resets when downloaded to PC)
Power		Compatible Equipment	2150 area-velocity module 2110 ultrasonic module 2151 and 2150EX modules* 2103 modem and cellular modem modules 2102 wireless module ** 2108 analog module *when connected via specified interface **only in "remote" wireless stations that include one or more 2100 flow modules
Voltage	7.0 to 16.6V DC (12V DC nominal)		
Typical Current	110mA @ 12V (LCD backlight off)		
Minimum Current	1 mA @ 12V (standby/OFF)		
Maximum Current	1.1A @ 12V (LCD backlight on)		
Display Characteristics	High contrast graphics LCD (backlit)		
Text Resolution	40 character x 8 line (WxH)		
Graphics Resolution	240 x 64 pixel (WxH)		
Contrast	Adjustable		
Backlight Modes	Always On/Timed/Always Off		

Ordering Information

Description	Part Number
Isco 2101 Field Wizard Module Includes: 2101 Module, 10-ft module extension cable and instruction manual	68-2000-006
Batteries for Isco 2191 Battery Module (two required)	
Alkaline Lantern	340-2006-02
Lead-acid Lantern	60-2004-041
Isco 120VAC Power Adapter	60-2004-057
RS232 Communication Cable (10 ft) Connects 2101 Module to 9-pin port on PC running Flowlink software.	60-2004-046

Note: Other options are available. Contact Isco or your authorized representative for a complete listing.



Photo above shows the Field Wizard clipped directly onto an Isco 2100 Series flow module stack. Below: The unit can also be connected to down-hole equipment using the module cable.



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Water is life. Protect it.