

Isco cellular GSM modem for 6712 Samplers

Remote site communication for alarms, data retrieval, and sampler control

This digital cellular phone modem enables Isco 6712 samplers (including Avalanche® models) to transmit text message alarms to a text-enabled phone or pager. It also allows the sampler to communicate with a modem-equipped PC for remote data retrieval and control.

The modem is compatible with user-subscribed GSM digital cell phone service (such as Cingular, T-Mobile, and Vodaphone). Your GSM subscription parameters are contained on a SIM card that you install in the modem. You can change your service parameters – or provider – by replacing the SIM card.

Standard Features

- ◆ Text-message alarms via SMS (Short Message Service) to a text-enabled phone or pager.
- ◆ Remote control of all sampler functions using a terminal program such as Hyperterminal®.
- ◆ No separate power source required – the modem receives power directly through the sampler's interrogation connection.
- ◆ Power management (via sampler programming) enables power-up during user-selected times, to extend battery life.
- ◆ Magnetic-mount external antenna.
- ◆ Activate/de-activate sampler remotely via SMS commands

The GSM cellular phone modem works with Isco 6712 samplers – including the Avalanche Portable Refrigerated sampler shown at right. A rain gauge, 700 Series Flow Module, and/or SDI 12 multi-parameter sonde can be connected to the sampler for integrated monitoring. Data logged by the controller can be downloaded via the modem.

Optional solar power allows long-term operation in remote sites, free of dependence on utility connections.



Applications

- ◆ Triggering sample collection remotely on command.
- ◆ Transmitting alarms to notify that samples have been collected and are awaiting retrieval.
- ◆ Remote data retrieval using Isco Flowlink® software.



Specifications

GSM Cellular Phone Modem	
Size (H x W x D):	4.5 x 7.5 x 4.0 inches (113 x 188 x 100 mm)
Weight:	2 lbs (0.9 kg)
Enclosure:	NEMA 4X, 6 (IP67)
Power:	Provided by 6712 or Avalanche Sampler.
Operating Temperature:	0° to 140°F (-20° to 60°C)
Communication Speed:	9600 bps
Alarm Method	Via SMS (Short Message Service)*
Service:	Mobile terminated service is required.

*NOTE: use of SMS is required for dial-out alarms.

Ordering Information

Description	Part Number
GSM Cellular Phone Modem for 6700 Series Samplers Includes magnetic-mount antenna with 10 ft (3m) cable.	60-5314-563
Optional 40 watt solar power system. Will power 6712 sampler plus GSM modem and other accessories indefinitely in most remote locations.	60-5314-347
Potted antenna in PVC housing, designed to be buried in street for manhole sampling/monitoring applications.	60-5314-605
Isco Flowlink® software.	68-2540-200

NOTE: The customer is responsible for confirming that the selected GSM service provides coverage where the modem will be deployed.



The GSM modem includes a magnetic mount antenna (above).

Options include a 4-inch (102 mm) diameter potted antenna (below) for in-street burial at manhole installations.



Isco Flowlink software provides data retrieval and advanced analysis.

Refer to separate Flowlink brochure for complete information about this powerful data management program.



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