

SMSX & CDMA Modems

dataTaker®

Intelligent Data Logging Products

Advanced Modems from Datataker

Using either of these advanced modems extends normal dial-up capabilities into full SMS communications and control of your data logger using only a mobile phone.

dataTaker SMSX GSM Modem – connects to the GSM network

CDMA Modem – connects to the CDMA network

Advanced features enables the user to :-

- Receive the latest data from your installation using a mobile phone**
- Remotely download data from the data logger to a PC
- Send an SMS message from the data logger in response to alarms
- Reduce downtime
- Improve efficiency
- Resend alarms to alternative numbers if the message is not received
- Manage remote assets
- Request the latest information from the data logger by sending a SMS message from your mobile phone
- Set output channels ON or OFF
- Change the alarm phone numbers using SMS commands
- Set calibration constants and alarm thresholds via SMS commands
- Start, stop and modify the logger program
- Remotely check signal strength

** It's so simple. Send an "X" to the *dataTaker* Modem and it will send back SMS message with the site data information.



**SMSX
GSM Modem**



CDMA Modem



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FREE
Software &
Technical
Support

www.datataker.com

Specifications



Modem Specifications

	SMSX GSM	CDMA
Dimensions	100mm x 50mm x 17mm	110mm x 61.5mm x 25mm
Weight	100g	110g
Supply Voltage	6V - 40VDC	6V - 36VDC
Power Consumption		
Standby	20mA (@ 12VDC)	< 10mA
Trasmit	190mA (@ 12VDC)	< 600mA
Operating Temperature	-20°C to 50°C	0 to 60°C
Operating Humidity	0 to 95% non-condensing	0 to 95% (at 50°C) non-condensing



SMS Applications

Plant Control

A 24 hour a day process plant is being monitored by a *dataTaker DT800* with an *SMSX Modem*. The plant engineer can request current parameters operating in the plant via the logger and *SMSX Modem*. Should critical parameters be exceeded the logger will send an SMS message to the engineer.

The engineer then has the option of amending the alarm parameters or even closing the process down by sending a SMS message to change the digital outputs from the logger. This can be done from across the plant or anywhere in the world.



Wind Factor

A *dataTaker DT500* data logger is logging wind speed and direction at a remote site. On a routine basis it is necessary to check the wind sensor is still functional. Rather than trekking to the site with a laptop computer the researcher can self test the installation using a mobile phone and an SMS message.

The latest firmware release for the *DT500* also allows the logger and *SMSX Modem* to be configured to accept single word commands such as 'wind'. In this case the logger responds by sending an SMS message back to the sender with wind report details.



River Alarmed

A *dataTaker DT50* data logger is situated at a remote site monitoring river height, temperature and salinity. The battery is charged using a solar panel. An *SMSX module* is configured to transmit alarms by SMS when conditions in the river exceed set parameters. The user can change the alarm parameters or simply check river conditions at any time by sending a simple SMS message

dataTaker®

Your local dealer

Warranty:

All non Datataker manufactured products are covered by original manufacturer's warranty.

Quality Statement: Datataker operates a Quality Management System complying with ISO9001:2000. It is Datataker's policy to supply customers with products which are fit for their intended purpose, safe in use, perform reliably to published specification and are backed by a fast and efficient customer support service.

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