



**Model 1100 4x  
Nema 4x (6x6x4)**



**Model 1100 Ex  
Class I Div I**

-Ready

### **INTRODUCTION:**

The MESSENGER 1100 is an industry leading satellite communication system that is designed for price-sensitive applications.

Each remote site message includes the site name, alarm description, date & time stamp and four analog or modbus values.

Data management features includes web based data displayed on Intellisite, routing remote site data direct to field personnel via text messaging and/or emailing remote site data to company personnel.

### **SIMPLEX BENEFITS & FEATURES:**

Compact size allows multiple enclosure options:

- Nema 4x instrument enclosures c/w antenna
- Class I Div I instrument enclosure c/w antenna

Low power operation:

- Self powered (5 yr life with Lithium power pack)
- Options for external power (12 Vdc).

Eight input channels:

- (4) Read four 0-5vdc or read four Modbus registers.
- (4) Four discrete event driven (dry contact).

Multiple alarm options:

- User selectable "HIGH & LOW" alarms on analog or modbus ch.
- 4 discrete channels - normally closed or normally open.
- 4 timers - set to transmit by minute, hourly, daily or monthly

Intellisite ready

- Industry leading web-based remote monitoring service
- Collects critical remote site data
- Converts instrument data into information
- Efficiently and economically manages data.



# MESSENGER 1100

.....SPECIFICATIONS	MESSENGER 1100
Power	6 to 12 Vdc Sleep mode: 16 micro amps at 6vdc Transmit: 500 mA (1.3 seconds)
Battery	Power: 2 C cell lithium (3.7 vdc each) Life: 5 years in the following conditions; Transmissions per day: 1 Temperature: Average 60 degrees F (15.5 degrees C) Discrete channels: set to Normally open
Resolution	16 bit
Interface Protocol	Modbus - User selectable registers - reads values from four registers
Serial Interface	Programing: USB style B (Acutec Unit Manager software) Run Mode: RS 232 RS 485
Communication	LEO Simplex Satellite Coverage area map: <a href="http://www.acutec-ltd.com/product%20descriptions.htm">http://www.acutec-ltd.com/product%20descriptions.htm</a> Frequency: 1615 GHz Protocol: Simplex Modulation: Direct Sequence Spread Spectrum (DSSS) Maximum TX Power: +22 dBm EIRP Maximum TX Time: 1.4 Seconds Antenna: Internal Ceramic Patch Packet Size: 9 Bytes
Discrete channels	Four: Normally open or Normally closed.
Approvals	Complies with Part 15 of the FCC Rules. Complies with ICES-003.(Class A/Class B)
Enclosures	Options: Messenger 1100 4x: Nema 4X Messenger 1100 Ex: CLASS I DIV I
Weight	5 Lbs Nema 4X 2 lbs CLASS I DIV I 5 lbs
Environmental	-40 to 175F (-40c to 80c)

