



Extremely reliable data through display, alarms and communications

Control room receiver

Remote access terminal

Economical communication of levels and temperature

The L&J Engineering MCG 3600 Tank Monitor

Economical Control

The MCG 3600 serves as a control room receiver or as a remote access terminal for a larger gauging system. The standard configuration includes a serial port for communications via the L&J "Tankway" to field devices. An additional RS-232C host communications port is also available. All MCG Series gauges can be connected to the MCG 3600, without the need for a separate computer. An integral printer allows for data printouts, as well as time-stamping alarm occurrences and their acknowledgements.

Versatile

The backlit, 4x20 LCD display provides direct access level, temperature and volume information for up to 10 tanks (50 tanks optional). Security is ensured with a keylock restricting access to all programming functions. It can be programmed to display the level and temperature for up to 4 tanks simultaneously or to display level, temperature and volume information on a single tank. The MCG 3600 includes high and low alarm functions with relay outputs. It can be used as a remote, stand-alone computer or send information back to a MCG 3800 or MCG 3900 Inventory Management System.

Application

Provides communication to host computer from remote site

Provides local display at remote sites

Interrogates transmitters and RTD's

Monitors levels and temperatures

Microprocessor based

Built-in printer

SPECIFICATIONS

Output Voltage: P = 50 -70 VDC, power for transmitter
E = 0-30 VDC, input from transmitter
C = 30-0 VDC, output pulse to transmitter
G = 0 VDC, ground

Display: 4-line, 80 character L.C.D.

Readout Units:

Level: feet, inches and 1/16th or feet and .01 feet, or metric

Temperature: .1° F increments or .1° C

Addressing: selectable 0-127

Features: Built-in printer
Built-in 4-line display
20 digit data keypad
Standard 10 tank capabilities (expandable to 50)
Optional Alarms: HI, HI HI, LOW
Optional remote communications via RS232C port

MCG 3600 Enclosure Power: 110 VAC or 220 VAC selectable

Battery Backup: 12 VDC gel cell (optional)

Battery Life: 8 hours minimum per charge

Recharge Time: 10 hours maximum

Size: Ht: 12.125", W: 9.5", D: 5.125"

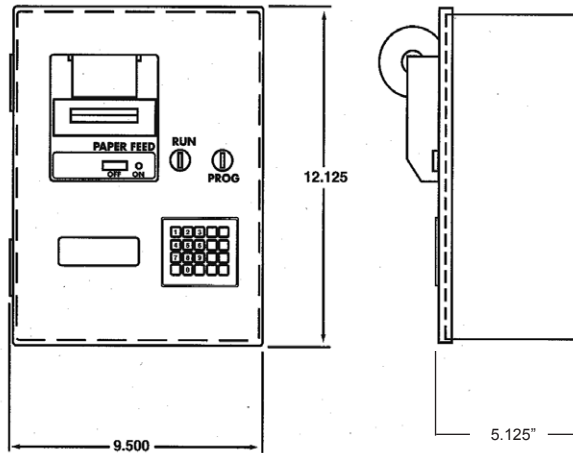
Weight: 11.5 lbs.

Enclosure: Nema 4

Approvals: UL, CUL, CENELEC

All designs subject to change. Certified dimensions and specifications available upon request.

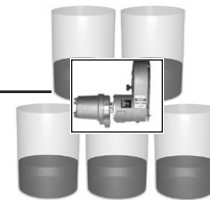
DIMENSIONS



MCG 3600



L & J TANKWAY



TANKS, L & J GAUGES

INFORMATION REQUIRED TO ORDER:

MCG 3600 AB - CD - EF - GH - IJ

HARDWARE OPTIONS _____

SOFTWARE OPTIONS _____

I/O OPTIONS _____

CAPACITY _____

POWER SUPPLY _____

MCG 3600 FIELD RECEIVER/COMPUTER

Includes; 20 Key Keypad, 4 Line LCD Display, Tank Level in Feet, Inches and 1/16 or Feet and .01 Feet, Tank Temperature, Monitors up to 10 Tanks (expandable up to 25 tanks), and built in Annunciator

MODEL NUMBER SELECTION:

The model number will have a base number, **MCG 3600**, followed by 10 digits. These digits will represent 5 sets of option tables.

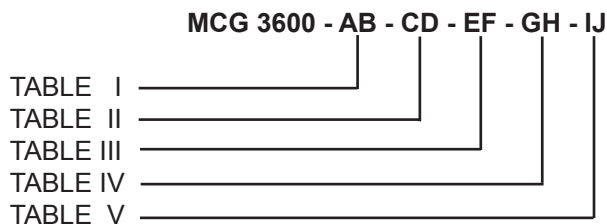


TABLE I - HARDWARE OPTIONS

AB

- 00 - Dry Contact Closure Rated at 120VAC, 1AMP (2)
- 01 - Dry Contact Closure Rated at 120VAC, 1AMP (3)
- 02 - Dry Contact Closure Rated at 120VAC, 1AMP (4)
- 03 - Customer Specified Alarm outs
- 04 - External Horn
- 05 - External Relay Board up to 16 points
- 06 - External Relay Board up to 32 points

TABLE II - SOFTWARE OPTIONS

CD

- 00 - None
- 01 - Gross Volume using Multiplier up to 10 tanks
- 02 - Net Volume Temp Compensated using Strapping Tables up to 10 Tanks, 51 Points per Tank
- 03 - Special Disp: 4 tanks simultaneous & 3215 communications

TABLE III - I/O OPTIONS

EF

- 00 - None
- 01 - RS232 ASCII Output (L&J Protocol)
- 02 - RS485
- 03 - Line Driver RS232..pair...4 wire DC continuity
- 04 - Varec 4 Wire
- 05 - GPE 31423, 31422
- 06 - Dual Tankway
- 07 - Modbus on RS232

TABLE IV - CAPACITY

GH

- 00 - 10 Tanks
- 01 - 25 Tanks
- 03 - 26-50 Tanks

TABLE V - POWER SUPPLY/APPROVAL

IJ

- 01 - 110 VAC (UL, CUL)
- 02 - 220 VAC (UL, CUL)
- 03 - 110 VAC Standard (No Approval)
- 04 - 220 VAC Standard (No Approval)
- 12 - 220 VAC/CENELEC

L&J ENGINEERING