

**INDUSTRIES**

- Petroleum/mining

**APPLICATIONS**

- PLC processing
- Alternate processors
- Process control
- Configuration software
- Oil and gas flow measurement

**PLATFORMS**

- 1771
- Dos/WIN 3.1
- WIN95/NT

**CONNECTIVITY**

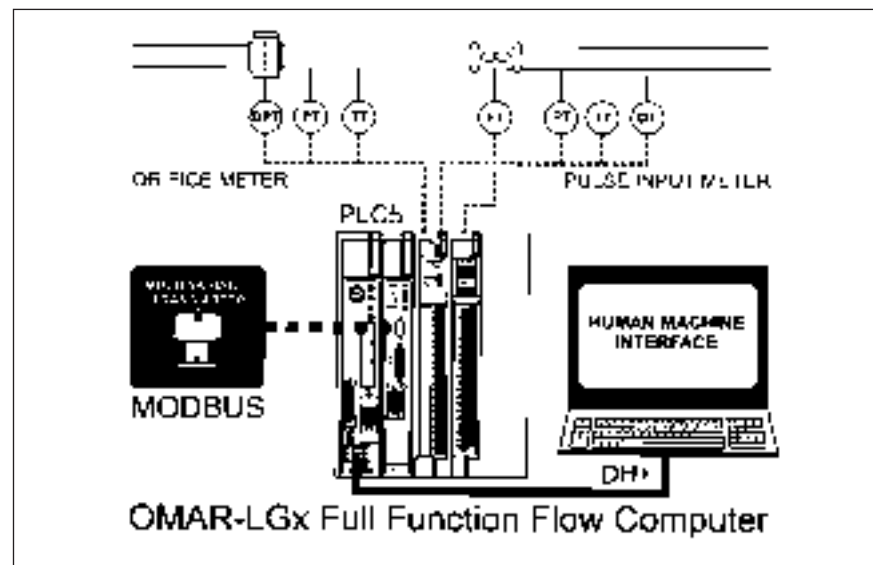
- DH/DH+
- Modbus

Product Description:

OMAR-LGX is a Custody Transfer quality oil and gas Flow Computer which uses the 1771-DMC 32bit coprocessor for the Allen-Bradley PLC-5 platform. It supports a Modbus communications option for up to 10,000 Modbus registers for SCADA applications. It uses direct memory access to interface to memory mapped data files in the PLC processor without back plane communications. It takes only a few minutes to configure, document, and implement each of the 32 separate Meter Channels available (orifice and/or pulse) using a Windows 3.1/95 based utility. Each Meter channel can support 8 switchable product streams with dedicated totalizers. Gas measurement is per AGA3/7/8 and API Manual of Petroleum Measurement Standards 21.1 (one sec. I/O scan for at least 16 gas meters). Liquids measurement is per API2540, MPMS 11.2.1, 11.2.2 and GPA-TP15 (density, temperature and pressure correction). Available options include Archiving, Event Logs, Timed Reports, MKF Characterization, Densitometer Interface, and Meter Prover Interface.

Features:

- Up to 32 gas or liquids meter channels
- Full audit trail capability for data and configuration security
- Applicable to custody transfer measurement
- Self documenting with extensive reports
- Direct memory access—no ladder logic necessary
- Generates full PLC data base tags and descriptors

Connectivity Diagram**For More Information:**

Kiran Vadgama
 Octal Systems Inc.
 #400 - 1000 8th Avenue S.W.
 Calgary, Alberta, T2P3M7
 Ph: (403) 269-2740 • Fax: (403) 269-2691
 Email: kiran@octal-systems.com