



PROBE INTERFACE UNIT FOR RETAIL OUTLETS

APPLICATIONS

The PROBE INTERFACE UNIT (PIU) is a low cost solution to enable data transfer of Level, Interface Level, Temperature, etc. from 134TM /TA/ TR upto 4 probes and other field transmitters to a BOS / POS terminal. The PIU is for use at locations where the functionality of the Petroquant as full fledged UTGS stand alone system are not required or the Underground Tank data is processed by a BOS computer with tank gauging functionalities. PIU's can be multidropped to enable expansion to cater to 64 tanks. Each PIU will display Level, Interface Level & temperature, & Probe status. The PIU provides power to the field mounted probes. The probe output may be RS 485 or FSK current modulated.

ENCLOSURE:

The PIU enclosure is of sheet steel powder coated with mounting brackets. This unit can be mounted inside panel or on a wall.

FEATURES

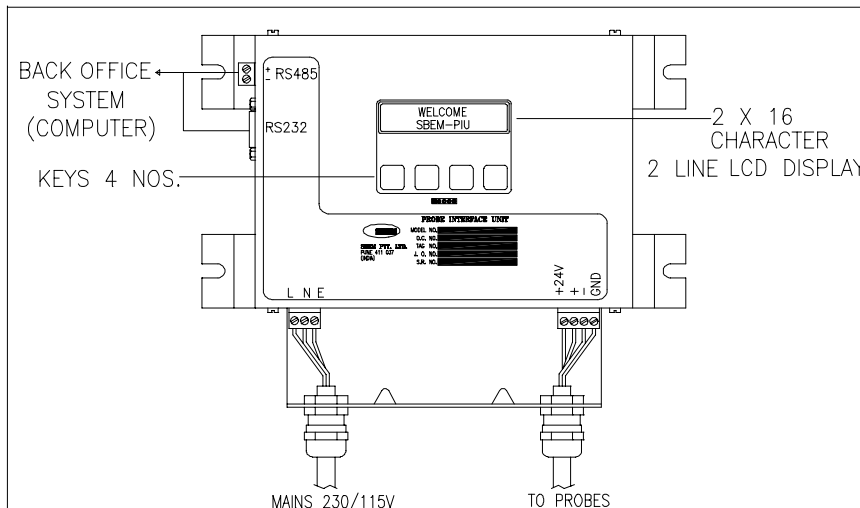
- Low Cost
- No maintenance
- Displays Level, Interface Level & Temperature
- Daisy Chained PIU's for upto 64 tanks

SPECIFICATIONS

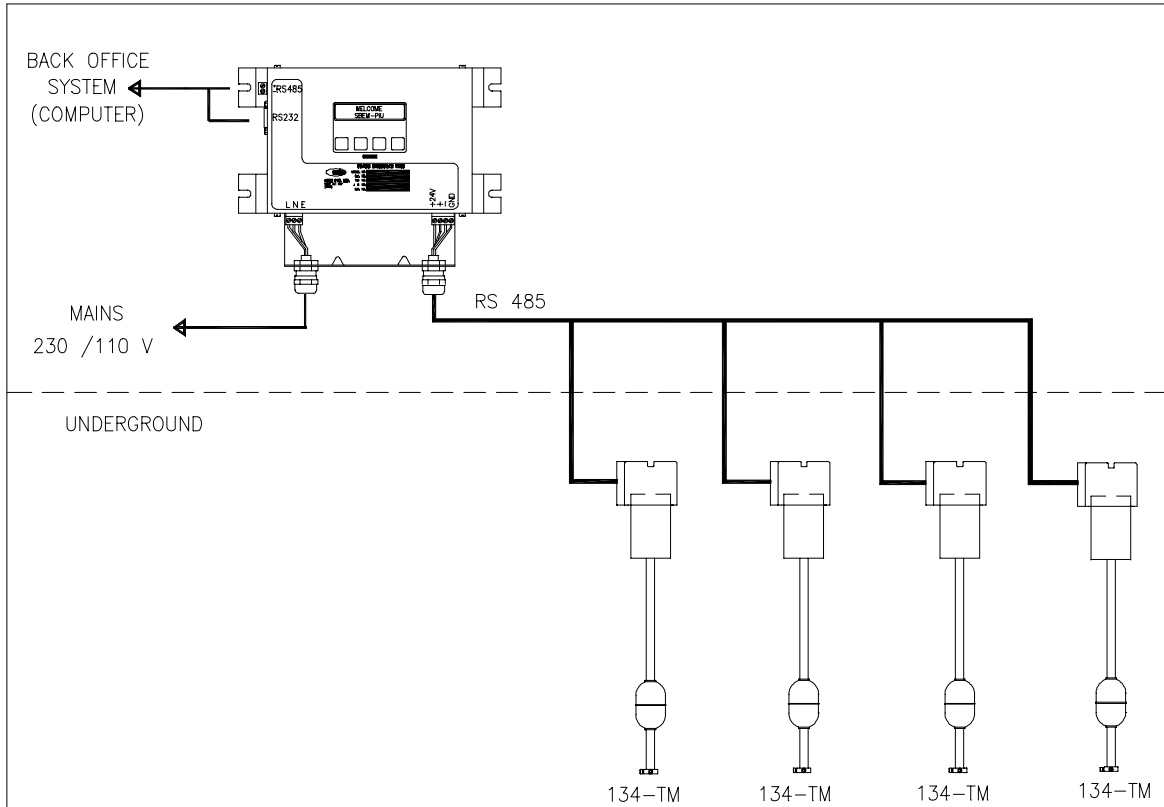
Power : 110 /230 VAC, 50Hz selectable Internally

Probes :Model Nos. 134TA /134TM / 134R.

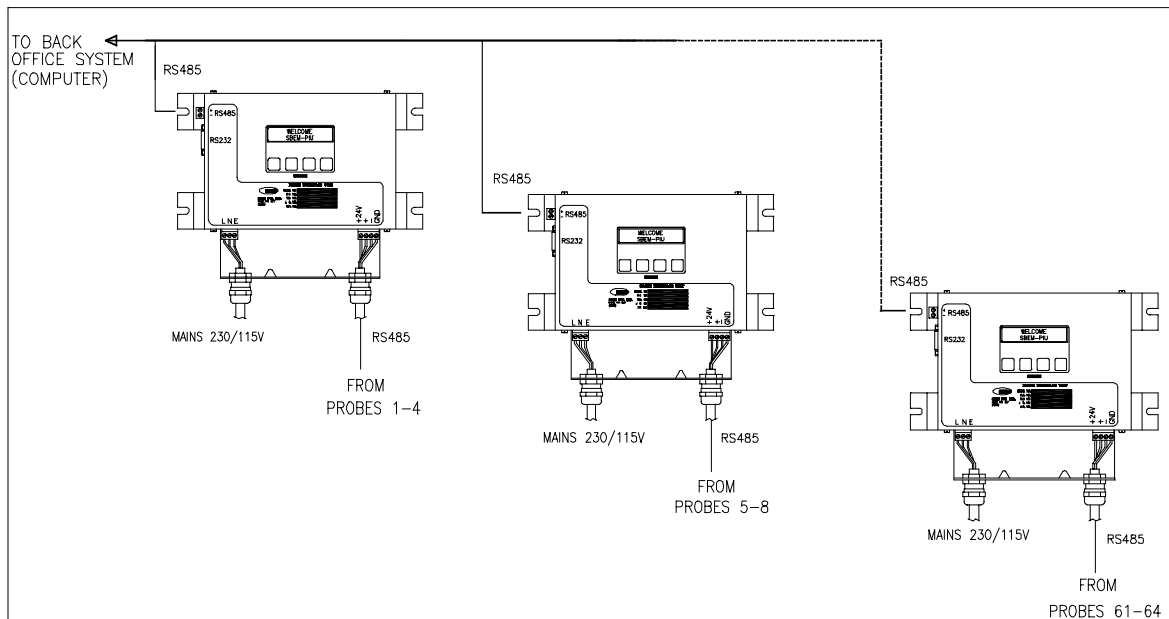
- Input** : RS 485
- Probe Power** : 24 V DC up to 10mA each through Zener Barriers for Intrinsic safety
- Maximum Probe** : 4 nos.
- Protocol** : SBEM Proprietary
- Response Time** : <= 2 sec
- Output Port** : RS 232C/ RS 485 selectable
- Protocol** : Modbus RTU
- Display** : 16 X 2 Line
5 X 7 dot 8mm Backlit LCD
- Keyboard** : 4 key Tactile
- Environment** :
 - ◆ Operating Temperature : 0 to 55°C.
 - ◆ Relative humidity : 95% max., Non-Condensing
 - ◆ Protection : IP 40
- Mounting** : Wall / panel (inside) safe area Mounting.
- Construction** : Sheet Steel Powder coated enclosure



**APPLICATIONS:
FOR UPTO 4 TANKS:**



FOR 64 TANKS IN MULTIDROPPED SYSTEM:



*** Continuous developments may necessitate various changes without prior notice.

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