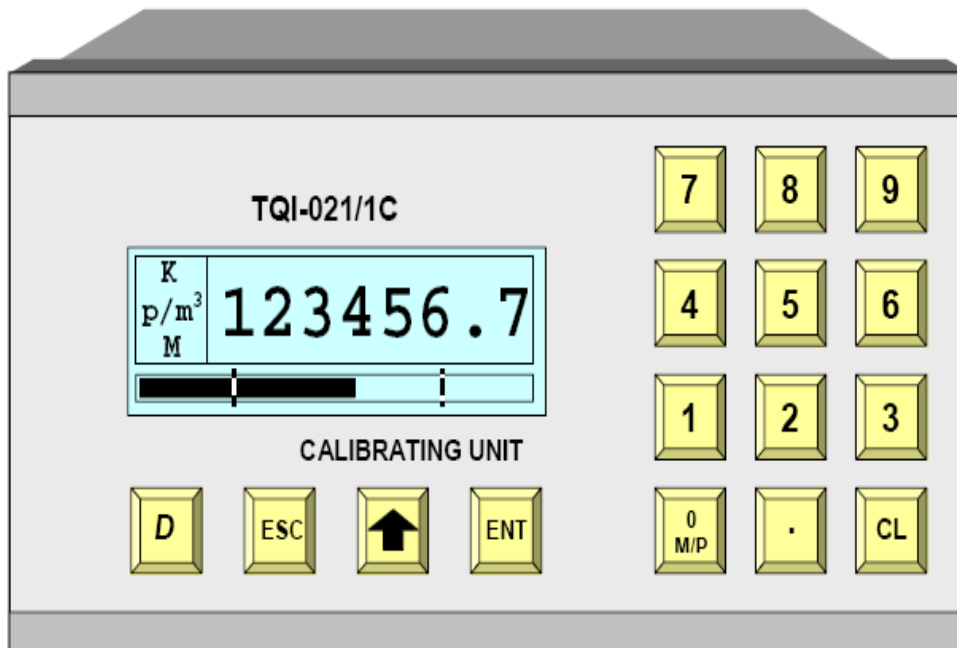


TQI-021/1C



The **TQI-021/1C** is suitable for calibrating all kind of flowmeters that have a pulse output. This output may come directly from the inductive transducer of a turbine meter, or it can be a higher signal level pulse output from a preamplifier.

The devices that can be used as master devices can be the following depending on the setting of the system (SYS):

- Master meter having pulse output (SYS=0)
- Ball type (piston type) prover, or diverter (gate signal: SYS=1, start/stop pulse pair: SYS=2)

The results of the measurement and the programmed constants necessary for the calculations are kept by the instrument even in power-off state.

The TQI-021/1C device can be mounted in instrument rooms or field racks ensuring similar ambient conditions. In case the connected flowmeter is operated in explosive area, it must be connected to the input through a proper insulating unit.

Inputs

- Low signal level input (E.g.:receiving signals of the inductive transducer of a turbine meter)
- High signal level input (E.g.:receiving TTL, or Open Collector output pulses)

Outputs

- Make contact closed during the time of calibration (max.12W, or max.42VDC, or max.1A)
- RS232, or RS485 serial line for computer interfacing.

Display (graphic LCD)

- Standard flowrate (in numeric form and on analogue bargraph, too.)
- Standard volume measured since the start of calibration and the value left until the end of calibration
- Duration of calibration
- Programming data necessary for the calculations.

Supply: 110...230VAC (optionally: 24VDC)

Dimensions: 144x72x200mm (panel cutout: 68x138mm)