## ERP200 Series Electronic Remote Pulser

Liquip offers an electronic remote pusler to be used in conjunction with Liquip's electronic registers that are not located on the meter or where a register has no in-built pulse generator.
The ERP200 uses opto sensors to convert the rotational movement of the meter shaft into an electronic signal to the register.

With various weights and measures approval (see below) and ATEX, IECEx and UKEX approvals for use in hazardous areas the ERP200 is the ideal solution for all your metering and registering needs.

## Key Features

- Weights \& Measures Approved: NMO UK, NMI Aus, W\&M NZ, MID Europe, Measurement Canada \& NTEP USA.
- ATEX, IECEx and UKEX approved for use in Zone 0 hazardous locations.
- 3 opto sensors allowing for 150 pulses per revolution, allowing the detection of flow direction, faulty opto sensors and/or loss of power.
- Fully solid state electronic circuit.
- Full weather sealed to IP66.
- Lightweight assembly.


## Ordering Information

ERP200 Electronic meter remote pulser.

## Specifications



## Specifications

| Associated Equipment | - DFV100: Register for use in zone 1 hazardous locations. <br> - DFV100H: Register with heated display (for non-hazardous locations). <br> - DFV103: Level Gauging CPU for use in zone 1 hazardous locations. <br> - DFV101: Combined register \& level gauging CPU for use in zone 1 hazardous locations. <br> - DFV100-18: DFV Top mount bracket to suit various meters. <br> KITS TOP MOUNT <br> - EPM200-3Z Meter kit for electronic remote pulser to top mount to Neptune meter <br> - EPM200-4Z Meter kit for electronic remote pulser to top mount to Sampi \& Lc meters WITH calibrator <br> - EPM200-7Z Meter kit for electronic remote pulser to top mount to Lc meters NO calibrator (to suit Lc meter with old style drive) <br> - EPM200-9Z Meter kit for electronic remote pulser to top mount to Lc meters NO calibrator (to suit Lc meter with hexagon drive) <br> - EPM200-5Z Meter kit for electronic remote pulser to top mount to SBM meters <br> - EPM200-6Z Meter kit for electronic remote pulser to top mount to Smith meters <br> KITS DIRECT MOUNT <br> - EPM100-3Z Meter kit for electronic remote pulser to direct mount to Lc meters <br> - EPM100-4Z Meter kit for electronic remote pulser to direct mount to SBM meters <br> - EPM100-7Z Meter kit for electronic remote pulser to direct mount to Sampi meters <br> - EPM100-8Z Meter kit for electronic remote pulser to direct mount to Avery-Hardoll meters |
| :---: | :---: |
| Conditions of Safe Use | 1. Input Parameters: $\mathrm{Ui}=26.6 \mathrm{~V}, \mathrm{Ii}=660 \mathrm{~mA}, \mathrm{Pi}=1.2 \mathrm{~W}, \mathrm{Ci}=1.14 \mu \mathrm{~F}, \mathrm{Li}=0 \mathrm{mH}$. <br> 2. Warning: In Zone 0 only: Electrostatic Hazard. Do not rub. Clean with a damp cloth. Do not use solvents. <br> 3. Port entry: Use suitable conduit or cable gland, min IP66. <br> 4. Any length of connecting cable may be supplied subject to satisfying the $L$ and $C$ parameters of the equipment. |
| Weights \& Measures Approval | NMO UK, NMI Aus, W\&M NZ, MID Europe, Measurement Canada \& NTEP USA. |
| Weight | 500g per assembly (without cable). |
| Mounting | 3 off $1 / 4$ " UNF screws on a 63.5 mm PCD (Similar to Veeder Root for standardisation) |
| Materials | Housing \& drive acetal |

## ELECTRONIC REMOTE PULSER ERP200




FIGURE 1


1 CYCLE $=360$ ELEC DEG $=14.4$ ANGULAR DEG

| POSSIBLE <br> STATE | P3 | P2 | P1 | ALLONED <br> STATE |
| :---: | :---: | :---: | :---: | :---: |
| 0 | 0 | 0 | 0 | S0 |
| 1 | 0 | 0 | 1 | S 1 |
| 2 | 0 | 1 | 0 | - |
| 3 | 0 | 1 | 1 | S 2 |
| 4 | 1 | 0 | 0 | S 5 |
| 5 | 1 | 0 | 1 | - |
| 6 | 1 | 1 | 0 | S 4 |
| 7 | 1 | 1 | 1 | S 3 |



