

MICROPROCESS LVDT METER RELAY WITH BUILT-IN TRANSMITTER



FEATURES

- Accuracy : 0.05% ~ ±1 digit
- High resolution : 0~19999
- 15 bit DAC programmable analog output with high or low cut
- Auto zero function (optional)
- Up to 4 alarms
- User friendly
- RS 232 / RS485 modbus RTU mode (optional)

1. MODEL: PF-MPS2-LVDT - [] - [] - []

NO	Analog Output	NO	Alarm	NO	Aux. Power
0	NONE	0	NONE	1	AC 110/220V (50/60Hz)
1	DC 4~20mA	1	1 ALARM	2	DC 24V
2	DC 1~5V	2	2 ALARMS	3	DC 48V
6	DC 0~10V	3	3 ALARMS	4	DC 110V
7	RS232	4	4 ALARMS	5	DC 220V
8	RS485			6	AC 90~260V
9	SPECIFIED			9	SPECIFIED

2. Specification

- Aux. power supply : AC110 & 220V ±20% (50 or 60Hz)
(Optional DC 24V or 48V or 110V or 220V, Switching AC90~260V±10%)
- Measuring accuracy : 0.05% F.S. ± 1 digit
(23±5°C)
- Sampling time : 0.04 ~ 9.99 second adjustable
- Readout range : 0 ~ ±19999 digit adjustable
(Compare range)
(Auto – zero range)
- Compare hysteresis range : 0 ~ 19999 digit adjustable
- Alarm delay time : 0 ~ 99.9 second adjustable
- Alarm action : "Hi" or "Lo" adjustable
- Relay contact output : AC 250V~3A, DC30V~5A
- Transmit baud rate : 2400bps, 4800bps, 9600bps, 19200bps
- Transmit format : <8,N,1>, <8,N,2>, <8,E,1>, <8,0,1>
- Analog output resolution : 15 bits DAC
- Output drive capability : 10mA for voltage mode
(analog output) 10V for current mode
- Output ripple (p-p) : <0.1% F.S.
- Response time : ≤100ms
- Temp. coefficient : 50 ppm/°C (0 ~ 50°C)
- Display : Red high efficiency LEDs high 14.22mm
(0.56")
- Parameter setting : Touch switches
- Memory type : Non-volatile EEPROM memory
- Dielectric strength : 2KVac/1 min. (power/input & output)
1.6KVdc (input/output)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)

* Refer page 97 for LVDT sensor selection

3. Outside dimension and connection diagram

