

dametric 

**POI-50**

**POI-50-24VDC**

VAL0123030  
SKC9068287

VAL0310191



POSITION INDICATOR

USERS MANUAL

**Valmet** 

## 1 GENERAL

The POI-50 / POI-50-24VDC is an indicator unit for the rotor or stator position in a pulp refiner. The POI-50 uses 115 or 230VAC as the mains supply while POI-50-24VDC uses a 24V DC supply. The input signal current of 4-20mA is converted to a digital reading of 00.00 - 50.00 (mm). The indicator consists of led-lamps with 10 mm digit height. Negative values are indicated by a led on the left side of the display.

## 2 CONNECTION INSTRUCTIONS

The cables are connected to the jackable screw terminal at the rear side of the unit:

### 2.1 POI-50 MAINS POWER SUPPLY

| Voltage | Connection | Jumpers           |
|---------|------------|-------------------|
| 115 Vac | 1 and 6    | 2 to 3 and 4 to 5 |
| 230 Vac | 1 and 6    | 3 to 4            |

### 2.2 POI-50-24VDC MAINS POWER SUPPLY

|        |           |
|--------|-----------|
| 24 VDC | 3 = Plus  |
|        | 4 = Minus |

### 2.3 INPUT SIGNAL

The 4-20 mA signal current is connected to the connector at the rear of the unit:

|   |    |
|---|----|
| + | 11 |
| - | 12 |

Terminals 7 thru 10 is not used.



## 3 TECHNICAL SPECIFICATION

|                    |                                                      |                                            |
|--------------------|------------------------------------------------------|--------------------------------------------|
| Valmet art.no.     | POI-50                                               | VAL0123030 / SKC9068287                    |
|                    | POI-50-24VDC                                         | VAL0310191                                 |
| Power supply:      | POI-50:                                              | 115 or 230 Vac +5/-15%, 48-62 Hz, max 0.2A |
|                    | POI-50-24VDC                                         | 24VDC $\pm$ 10%, max 0.1A                  |
| Input:             | Current input 4-20 mA                                |                                            |
| Input impedance:   | 51.1 $\Omega$                                        |                                            |
| Display:           | 0 - 50.00, 10 mm LED-DIGITS                          |                                            |
| Weight:            | 0.5 Kg                                               |                                            |
| Housing:           | Plastic box (Noryl), front panel of anodized alumina |                                            |
| Outline dimension: | Width=96 mm, Height=48 mm, Depth=127 mm              |                                            |

## 4 CONTACT

Sales, development, production and service:

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