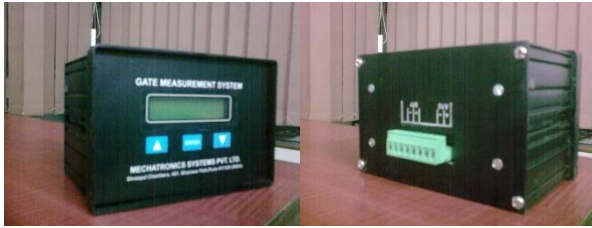


# MECH-GMS

## Gate Position Measurement System



### Applications:

- ⊕ Radial gate hoist
- ⊕ Vertical gate Hoist
- ⊕ Screw gate hoist

### Areas of Application:

- ⊕ Dam & Canal gates in Remote Areas
- ⊕ SCADA Systems for Process Control
- ⊕ Water Treatment Plant Automation
- ⊕ SCADA for Pump Control Systems

### Description:

**MECH-GMS** is specially designed measurement system for radial, vertical and screw type gates. This can be interfaced with variety of sensors like leaner encoders, rotary encoders, absolute encoders and optical encoders. Special function for conversion of radial gate opening to vertical opening.

### Features:

- ⊕ Universal Interface to any encoder
- ⊕ LCD display
- ⊕ Measurement in Metric & FPS units
- ⊕ Limit switch inputs (Hi & Low)
- ⊕ 4-20 mA analog output
- ⊕ RS-485 output / SDI-12
- ⊕ Self Diagnosis & Calibration
- ⊕ Field programmable
- ⊕ Fail-safe input



## Specifications:

Input power	12V / 24V DC
Input	Pulse, 12 to 24 bit gray-code
Display	20 x 2 LCD Alphanumeric with back lit
Measurement	0-15 Mtr. Metric / FPS
Resolution	5 mm or better
Accuracy	± 3 mm
Controller	Microprocessor based solid state
Programming	Field programmable from front panel Through RS-232 / RS-485 from PC
Keyboard	Membrane keyboard
Limit switch input	Full open and Full close positions
Terminals	On Back panel screw type
Internal Wiring	As per the requirement
Mounting	Panel mount
Environmental	
Op. Temp	-20 – 60°C
Humidity	0 -99% (non-condensing)
Size	144 x 72 x 150 mm
Accessories	Mounting clamps Encoders Limit switches

## Ordering Information:

### MECH- GMS-

<b>300</b>	Pulse input for direction & Rotation	
<b>301</b>	0-5 V linear analog input	
<b>302</b>	12 bit/16 bit / 24 bit Gray-code	
-	<b>012</b>	12V DC input
	<b>024</b>	24V DC input
	<b>230</b>	240V AC input
	<b>07</b>	4-20 mA Output
	<b>28</b>	RS-485 / RS-232 Output
	<b>R</b>	Radial Gate
	<b>V</b>	Vertical gate
	<b>S</b>	Screw Type Gate

