

Gate Measurement System Model MECH GMS

Applications

- Measurement of gate opening for Spillway radial Gates of Dams and Canals
- Measurement of gate opening for all type of Vertical Gates
- Measurement of Gate opening for canal Cross Regulator / Head Regulator Gates



Description

MECH-GMS is specially designed measurement system for radial, vertical and screw type gates.

This can be interfaced with variety of sensors like rotary encoders, absolute encoders, proximity sensors, inclinometers, optical sensors and many more.

Special inbuilt function for conversion of radial gate opening to vertical opening

Features

- Universal Interface to wide range of sensors like Rotary encoders, Absolute encoders, Potentiometer, Proximity sensors, Optical sensors, Inclinometer etc.
- Graphics display for displaying gate opening in digital as well as in percentage
- Self diagnostic & Calibration
- Measurement in Metric and FPS units.
- Field Programmable
- Fail safe input
- Output 4-20 mA, or RS-485
- Limit Switch inputs (Hi & Low)



Specifications

Input Voltage:		12-24 VDC 230 VAC
Current:	Active, display off Active, display on	70 mA typical 80 mA typical
Display:	Graphics VGA Language	for local data display English
Input:	D/I	Pulse / 16 bit gray code
Out put:		RS-485 / 4-20 mA
Data Transfer Rate:	RS-485	115200 bps
Digital to Analog converter:		12 Bit
Analog to Digital converter:		10 Bit
Measurement Range:		0-10 Mtr
Resolution:		1 mm or better
Accuracy:		± 5 mm
Programming:	Local	Using Keys/ Laptop
Mechanical :	MOC Finish Size (HXWXD) Weight Mounting	Aluminum Siemens Gray 144X144X50mm 2.1 lbs, 1 Kg. Approx. Panel Mount
Environmental:	Storage temperature Operating temperature Relative humidity	-20° to 80° C -10° to 60° C 0 to 100% NC

Ordering Information

MECH- GMS-

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



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