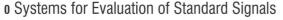


- Encoders
- Speed Sensors
- Inclination Sensors
- Systems for Evaluation of Standard Signals
  - Systems for Signal Conversion
  - Signaling and Display Systems
    - Pulse Evaluation Systems
  - Sensors for Conveyor Monitoring

# Motion Measurement

#### MOTION MEASUREMENT

- o Encoders
- o Speed Sensors
- o Inclination Sensors





o Signaling and Display Systems

o Pulse Evaluation Systems

o Sensors for Conveyor Monitorina









#### ENCODERS

- o Incremental encoders without display
- o Incremental encoders with display
- o Incremental encoders for wet areas
- o Absolute singleturn encoders
- o Absolute multiturn encoders







### SPEED SENSORS

- o Compact speed monitors
- o Compact speed monitors for hazardous areas
- o Speed sensors for drives and axes







# INCLINATION SENSORS

- o Static inclination sensors
- o Dynamic inclination sensors







# SYSTEMS FOR EVALUATION OF STANDARD SIGNALS

PROCESS

LIMITED

...innovative know-how

- o Displays with monitoring function
- o 2-channel threshold relays







#### S

#### SYSTEMS FOR SIGNAL CONVERSION



- o Frequency-to-current converters
- o Pulse stretching
- o Pulse dividers
- o Switch-on and switch-off delay
- o PNP/NPN inverter modules
- o Mini displays for monitoring limit values
- o IO-Link converter



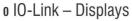






#### SIGNALING AND DISPLAY SYSTEMS

- o Displays for process value display
- o Displays with monitoring function
- o Displays for monitoring pulse signals
- o Mini displays for monitoring limit values
- o Light towers









#### PULSE EVALUATION SYSTEMS

- o 1-channel speed monitoring
- o 2-channel speed monitoring
- o Safe standstill monitoring
- o Safe speed monitoring
- o Safe monitoring of under-speed
- o Industrial timers
- o Evaluation units for level control
- o Timer relays
- o Evaluation units for flow monitoring
- o Slip monitoring
- o Synchronous monitoring
- o Direction of rotation monitoring
- o Position and event counters







## SENSORS FOR CONVEYOR MONITORING

- o Safety rope emergency stop switches
- o Compact speed monitors
- o Compact speed monitors for use in hazardous areas
- o 3D sensors
- o PCB solutions





#### OUR INDUSTRIAL SOLUTIONS AND SERVICES OFFERING

AUTOMATED
PROCESS
I M I T E D
...innovative know-how

- Liquid/gas storage/buffer tank level measurement and control
- 2. Liquid/solid dosing/filling/batching systems
- Utility liquid/gas metering and inventory systems
- 4. Fluid loading and unloading systems
- 5. Industrial safety systems
- 6. Energy monitoring and management systems
- 7. Condition monitoring and control systems

- 8. Instrument maintenance and calibration services
- 9. Process plants/machines instrumentation and control
- 10. Compressed air quality solution according to ISO8573
- 11. Compressed air/gas leak detection and control
- 12. Control valves system design, assembly and services
- 13. Industrial wireless and IoT systems
- 14. Motors, pumps and fans monitoring and controls
- Electrical panel building components, accessories and services

#### INDUSTRY

- Food and Beverage
- Pharmaceuticals
- Cement and Chemicals

- Plastics, Printing and Packaging
- Marine, Oil & Gas
- Power and Energy



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