# HD-280-420 DC Series
# Spring-loaded LVDT for Hydraulic Motors

## FEATURES

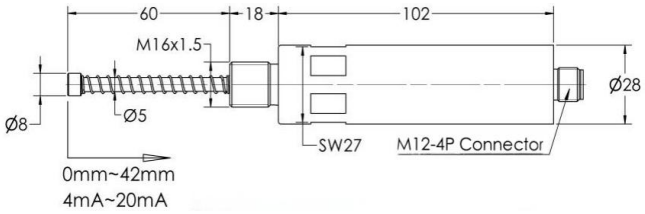
- All stainless steel housing
- External spring-return design
- Precision bearing return, smooth & low wear
- Integrated mounting thread, easy installation
- Innovative winding, shorter length
- Built-in signal conditioning, universal analog output
- Internal shielding, strong anti-interference



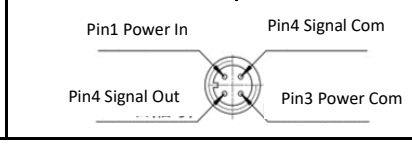
## SPECIFICATIONS

| Code | HD-280-420-XX | |
|---|---|---|
| Stroke Range (mm) | 0...42mm | |
| Power s Supply | ±15VDC | 13~28VDC |
| Output | ±5V/±10V | 0-5V/0-10V/2-10V/4-20mA |
| Non-linearity | <0.6% | |
| Repeatability | < 0.1% | |
| Operating Temperature | -20℃...85℃ | |
| TC of Sensitivity | < 0.05% | |
| Wiring | M12 Connector | |
| Shock | 1000g @ 11ms | |
| Vibration | 20g@2000Hz | |
| IP Rating | IP68 | |
| Mechanical Response | 50Hz | |
| Operating Pressure | 10MPa | |
| Displacement Cycle | > $10^7$ cycles | |
| Springback Force | 400g | |

## Dimension [mm]




## Wiring

| Connector | Output Singal | Wiring |
|---|---|---|
| M12 Connector | 0-5V/0-10V/2-10V/ 4-20mA/ ±5V/±10V | Pin 1 Brown<br>Pin2 White<br>Pin3 Blue<br>Pin4 Black |
| |  | |



Version | 01.2026