

Affordable And Effective Level Sensors

Val.co offers a range of affordable and effective level sensors that have applications across all sectors of industry, but that benefit, in particular, the tank building sector.

The Val.co range includes: small float switches, Linear-LC, limit level switch for side installation, multipoint and simple of double contact limit level switches.

GHM Messtechnik, South Africa, Managing Director, Jan Grobler commented "Val.co has a proven track record of more than 30 years of experience in the process instrumentation field. The company is dedicated to designing process instrumentation that satisfies customer requirements. The quick reaction time from design to providing a prototype to a customer is one of Val.co's manufacturing strengths".

"The range of level sensors are suited to all industries where level measurement is a crucial function, but has particular value to the tank building and hydraulics industry. It is a quality range and competitively priced" Grobler added.

Five ranges

Affordable small float switches for lid or bottom installation for industrial use are available in brass, stainless steel, polypropylene, PVC and PVDF. Combinations are available for use under aggressive conditions and have a parallel or conical thread connections in 1/8, 3/8 and 1/4.

A comfortable continuous measurement based on proven float technology is what the Linear C range brings to the table. An integrated Reed chain with resistance circuit enables continuous monitoring of the level. Switching of tube lengths up to 2,000 mm enables affordable electronic measurement in large tanks. The OMNI-LC digital indicator offers the possibility of displaying measurements locally and in plain text (with background lighting).

A variety of Limit level switches for side installation include:

- Type SML – stainless steel designed for contact with media with pressure resistance up to 30 bar
- Type NW1 – brass and stainless steel versions with NBR-butadiene with a stainless steel or PVDF float
- Type MW3 – microswitch variant with max 5A switching current, electrical connection via DIN plug 43650-A or round plug connector M12x1
- Type NW3 – Reed switch variant in brass or stainless steel with NBR-butadiene, stainless steel or PVDF float
- Type RW..HK – for internal or external installation in stainless steel
- Type MW1 – One of two micro switches, convenient for use as an advance warning contact or for monitoring of two close levels

Multipoint level switches for complex level monitoring with tube length switching up to 6,000mm with a plastic version up to 5,000mm. The Multipoint is used for distance monitoring of tanks that use up to six float stations. It offers additional application safety with temperature elements that can be optionally integrated in a switching tube monitor the media temperature continuously.

Effective limit level switches are supplied in a simple or double contact sensor in proven Reed switch design. Again, these switches are available in stainless steel, brass as well as aluminium or PVC. In continuous operation they are temperature resistance up to +105°C. Optional switching functions as a NC or change-over contact making external voltage supply unnecessary.

Grobler said “The Val.co range complies with all international standards. The robust devices can perform in the most demanding conditions and are approved construction for explosion-proof ATEX Exd - Exi a, EAC and for naval use.

The Val.co range of level sensors is available from GHM Messtechnik South Africa.