

## Level switches



Rubber protection sleeve  
MKG-210, MKS-210.



Square flange  
MKA-210-0



Two inch BSP mount  
MKA-21B



Flanged mount  
MKA-211



Submersible  
MKU-210  
10m cable




Top mounted, L arm.  
MKA-210-4L



Side mounted, Z arm.  
MKA-210-4Z

### Nivomag MKA-210 Series. Llyod (GL) certified. Fixed differential level switch.

MODEL	DESCRIPTION	PRICE
<b>MKA-210-0</b> <b>Side mount.</b>	<b>Magnetic float level switch with fixed differential.</b> Wetted parts: Stainless steel. Mount: Square flange. Protection: IP65. Pressure: 25 bar. Liquid density: Min. 0.7 SG Ambient temp: -20~80°C. Liquid temp: -20~250°C. Switch rating: Microswitch.  10A, 250Vac12. 0.6A, 220Vdc13. Protrusion length: 202mm. (other lengths available, refer below).	\$575.00
<b>Options</b>		<b>Add Price</b>
	With 2" BSP process connection. MKA-21B-0.	N/C
	With rubber protection sleeve. (Medium 0~100°C).	\$110.00
	With silicone protection sleeve. (Medium 0~200°C).	\$145.00
	Flange mount. Screwed. MKA-211.	POA
	With protrusion length. Several lengths available.	POA
	With "L" or "Z" profile. MKA-210-4L/Z.	\$90.00
	Underwater IP68. MKU-210.	\$298.00
	Ex version.	POA

Ex version available  
 Cenelec, Germanischer Lloyd.  
 Ex approval: EEx dme IIC T4...T6.


MODEL SELECTION:			
	MK-21	MK-22	MK-23
Fixed differential.	√		
Adjustable differential.		√	√
Straight arm.	√	√	√
L or Z arm.	√		
Side mount.	√	√	
Top mount.	√		√
Submersible.	√		
Rubber protection sleeve.	√		
Flanged process connection.	√	√	√
Threaded process connection.	√		
Ex version.	√	√	√
Tester.	√	√	

Specific gravity of liquids:	
Petrol	0.700
Kerosene	0.800
Olive oil	0.920
Water	1.000
Sea water	1.025
Milk	1.030
Sulfuric acid	1.140
Glycerine	1.260
Mercury	13.595

MINIMUM LIQUID DENSITY (kg/dm³) S.G.:				
	Arm length			
Float diameter.	100mm	200mm	300mm	1m ~ 3m
52mm	0.7	0.8	0.85	-
64mm	0.7	0.8	0.8	-
120mm	-	-	-	0.7

**Nivomag MKA-220 Series. Llyod (GL) certified.**  
**Adjustable differential level switch.**

**Level switches**

MODEL	DESCRIPTION	PRICE
<b>MKA-220-0</b> <b>Side mount.</b>	<b>Magnetic float level switch with adjustable differential.</b> Wetted parts: Stainless steel. Mount: Square flange. Protection: IP65. Pressure: 25 bar. Liquid density: Min. 0.7 SG Ambient temp: -20~80°C. Liquid temp: -20~250°C. Switch rating: Microswitch. 10A, 250Vac12. 0.6A, 220Vdc13. Protrusion length: 268mm (other lengths available, refer below). 	\$778.00
<b>Options</b>		<b>Add Price</b>
With rubber protection sleeve. (Medium 0~100°C)		\$110.00
With silicone protection sleeve. (Medium 0~200°C)		\$145.00
Flange mount.		POA
With protrusion length. Several lengths available.		POA
Underwater IP68.		\$298.00
Ex version.		POA

Switch differential between high and low switch set points can be changed by changing the positions of the two pins.




**Side mount.**

Adjustable switch differential MKA-220.

*Ex version available  
 Cenelec, Germanischer Lloyd.  
 Ex approval: EEx dne IIC T4...T6.*

**Nivomag MKA-230 Series.**  
**Adjustable differential level switch.**

MODEL	DESCRIPTION	PRICE
<b>MKA-230-1</b> <b>Top mount.</b>	<b>Magnetic float level switch with adjustable differential.</b> Wetted parts: Stainless steel. Mount: Square flange. Protection: IP65. Pressure: 16 bar. Liquid density: Min. 0.7 SG Ambient temp: -20~80°C. Liquid temp: -20~250°C. Switch rating: Microswitch. 10A, 250Vac12. 0.6A, 220Vdc13. Protrusion length: 1265mm (other lengths available, refer below). Differential: 1000mm max. 	\$885.00
<b>Options</b>		<b>Add Price</b>
With longer protrusion length. 2265mm protrusion. 2000mm max. differential. 3265mm protrusion. 3000mm max. differential.		\$60.00 \$115.00
Flange mount.		POA
Ex version.		POA

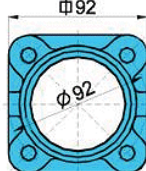
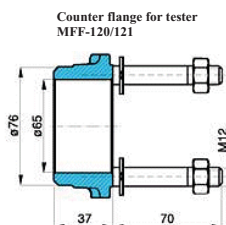
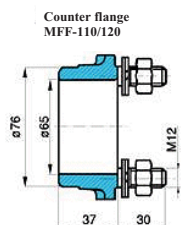


**Top mount.**

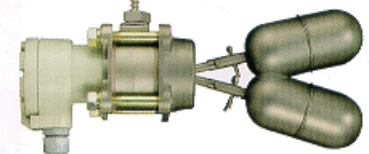
Switch differential can be adjusted by moving the rings on the rod. The weight of different rod lengths is compensated for by adjusting the counter weight.

**Nivomag MMK Tester & Nivomag MFF Counter flange.**

MODEL	DESCRIPTION	PRICE
<b>MMK-110</b>	<b>Tester for magnetic float level switches.</b> Requires tester flange.	\$238.00
<b>MMK-120</b>	Steel Test Plunger. Stainless Steel Test Plunger.	\$355.00
<b>MFF-110</b>	<b>Counter flange for magnetic float level switches.</b>	\$133.00
<b>MFF-111</b>	Steel Flange.	\$144.00
<b>MFF-120</b>	Steel Tester Flange.	\$168.00
<b>MFF-121</b>	Stainless Steel Flange.	\$179.00
<b>MFF-121</b>	Stainless Steel Tester Flange.	\$179.00



**MMK Tester**  
 Shown fitted between a MKA switch and counter flange.



The tester is mounted between the switch body and the counter weight. Pressing the plunger pushes the arm counter weight which activates the switch. Operation of the switch can be checked without any filling or emptying procedures.

## Level and flow switches



SE280CCRG



SE111C



FF80EFM



FF81EFM



FF10CEQ



SF1800

MODEL	DESCRIPTION	PRICE
SE280CCRG SE280CCRH	<b>Side mounted rotary level switch.</b> Temperature: -20~70°C. Rotary speed: 1 RPM. Power supply: 240Vac, 50/60 Hz. Switch: 3 amp, 250Vac. SPDT. Mounting: 3/4" BSP. Housing: IP65 / PC. Cable length: 3m. Cross paddle type. Scimitar paddle type.	\$390.00 \$390.00
SE111C	<b>Side mounted rotary level switch.</b> Temperature: -10~70°C. Rotary speed: 1 RPM. Power supply: 240Vac, 50/60 Hz. Switch: 5 amp, 250Vac. SPDT. Mounting: 1" BSP or SS flange 155mmØ. Housing: IP65. Paddle: 304 SS.	\$605.00

MODEL	DESCRIPTION	PRICE
FF80EFM	<b>Side mounted magnetic level switch.</b> <b>Anti -Acid/Alkaline.</b> <b>Flange mount.</b> Temperature: -10~80°C. Switch: 50W/60VA. SPDT reed switch. Magnetic actuation. Mounting: Polypropylene flange. Housing: IP65. Polypropylene. Float: Polypropylene, SG 0.6. 44mmØ cylindrical.	\$765.00
FF81EFM	<b>Side mounted magnetic level switch.</b> <b>Anti -Acid/Alkaline.</b> <b>Bulkhead mount.</b> Temperature: -10~80°C. Switch: 50W/60VA. SPDT reed switch. Magnetic actuation. Mounting: M20 bulkhead with nut. Cable: 3m 3 core PVC. Float: Polypropylene, SG 0.6. 44mmØ cylindrical.	\$630.00

MODEL	DESCRIPTION	PRICE
FF10CEQ FF20CEQ	<b>Side mounted float level switch.</b> Pressure: 15 bar. Switch: 50VA. 250Vac. SPDT. Mounting: 1.5" BSPT. Housing: IP65. Aluminium. Float: 304 SS, SG 0.6. 41mmØ cylindrical. Standard temperature: -25~100°C. Micro Switch: rating 5A/250Vac. High temperature: -25~200°C. Reed Switch: rating 1A/30w 220Vac.	\$596.00 \$685.00

MODEL	DESCRIPTION	PRICE
SF1800	<b>Vertically mounted flow switch.</b> Temperature: -30~150°C. Pressure: 24 bar (355 psi g) Switch: 60W/230Vac. SPDT. Mounting: 1" BSP. Housing: IP65. Aluminium. Paddle: 304 SS. Other wetted parts: teflon.	\$460.00