INTRA-AUTOMATION GmbH
elektronische Meß- und Regelinstrumente
MESS- UND REGELINSTRUMENTE

Technical Information
TI-ITA-T1R-en
(03/2005)

Magnetic Multi-Float-Switch Type ITA-T1R

Technical Data

Max. oper. pressure	:	40 bar, depending on mounting type and float-type
Max. temperature	:	+70°C (158°F) ***[EEx d]***; +100°C (213°F) ***[Standard]***
Ambient temperature	:	-20°C (-4°F) up to +70°C (158°F)
min. density		depending on float-type
Installation	:	vertical, ± 30°
Protection Class	:	IP 65 (NEMA 4)
Weight	:	depends on application
Min. switch distance	:	float diameter +30 mm
Reed switch	:	type KSB-1E25-BV432 (U_{max}=230VAC/DC; I_{max}=2A) (U_{imax}=30VDC; I_{imax}=100mA; L_{imax}=0 µH; C_{imax}=0 nF)

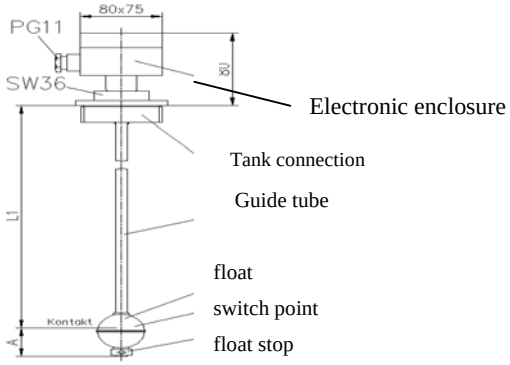
Dimensions

L1: min. 30 mm (flanged version
min. 50 mm (screwed-mounting)

L_{max}.: 6000 mm

A : min. 50 mm

Guide tube diam.: 14 mm



Order Key

ITA-T1R-__-__-__-__-__-__-__-__-___ **ATEX: 0**-without; **Ex**- Ex II 1/2G Eex d T4..T6, Eex ia T4..T6

Contacts: S- normal open (NO)
O- normal closed (NC)

Connection Box: A-die-cast-aluminium; max. 2 switches; IP 65 (NEMA 4)
S- 316 SS; max. 2 switches; IP 65 (NEMA 4)
E- die-cast-aluminium; Eexd; max. 2 switches; IP 65 (NEMA 4)
Y- others (on request)

Float Type: A- ∅52 mm;min. ρ:0,7 kg/dm³; max. p: 40 bar; mat.: 1.4571 (316TI)
B- ∅80 mm;min. ρ:0,6 kg/dm³; max. p: 17 bar; mat.: 3.7035 (Titanium)
C- ∅80x35 mm;min. ρ:0,5 kg/dm³; max. p: 13 bar; mat.: 1.4571 (316TI)
D- ∅44x52 mm; min. ρ:0,8 kg/dm³; max. p: 25 bar; mat.: 1.4571 (316TI)
E- ∅50x120 mm; min. ρ:0,55 kg/dm³; max. p: 10 bar; mat.: Buna N
F- ∅50x120 mm; min. ρ:0,5 kg/dm³; max. p: 10 bar; mat.: Intox
Y- Ø65 mm; min. ρ:0,7 kg/dm³; max. p: 6 bar; mat.: Hastelloy

Switches: 1 ☐ **2** ☐ **3** ☐ **4** ☐
Switchpoint:_____ _____ _____ _____ (in mm)

Mounting Type: R1 – R ½"-male
N1 – ½" NPT-M
F11- Blind flange DN50 PN16
F12- Blind flange DN50 PN40
F21- Blind flange 2" 150 lbs
F22- Blind flange 2" 300 lbs

Mat. of Tankmounting: S- 316SS; **C**- Carbon Steel; **T**- Titanium; **P**- PP/ PVC; **Y**- 316SS/Hast. plated

Material of Guide Tube: S- 316SS; **C**- Carbon Steel; **T**- Titanium; **P**- PP/ PVC; **Y**- Hastelloy

Otto-Hahn-Straße 20 | P.O. Box 10 03 27 | phone +49(0)2181 – 75665-0 | fax +49(0)2181 - 64492
D-41515 Grevenbroich | D-41487 Grevenbroich | Web: www.intra-automation.de | E-Mail: info@intra-automation.de