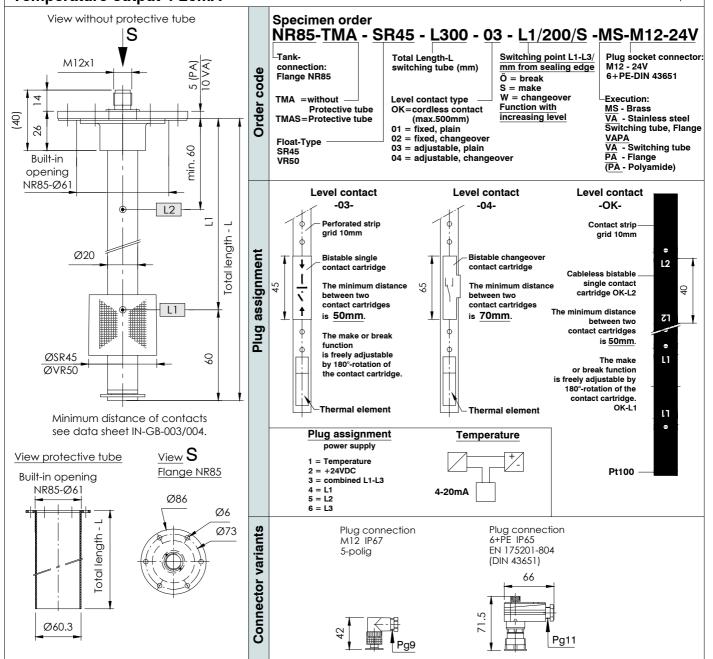
## **NR 85 - TMA**

## Level - temperature regulator for tank insert Temperature output 4-20mA



## Description

The type NR 85 TMA level controller for installation in tanks is a contactless - operating magnetic switch and is used for monitoring

and controlling liquid levels and temperatures.
Bistable protective gas contacts are installed in the switch tube as contact cartridges adjustable on a contact strip.

The contact cartridges can be retrospectively adjusted in height

in increments of 10 mm.
In the case of fixed contacts, the contact distances and their function must be specified. Contact cartridges can be adjusted in height at a later date.

The break or make function can be changed by rotating the cartridge 180°. The permanent magnet fitted in the float switches the contacts if the level changes. The switching difference (hysterese) is 4 mm. For temperature monitoring,

the temperature-dependent signal emitted by a Pt100 resistor mounted in the swiching tube is converted into a temperature-linear current change of 4-20mA using the built-in transmitter.

The level controller is maintenance - free when nondeposit media are used. For inductive loads, a protective circuit must be provided (free-wheeling diode/RC element)

The device must only be installed by specialists.

Max. viscosity 320mm<sup>2</sup>/S

## Technical data

Protective tube Switch tube

Connecting flange

Nominal pressure

Temperature of medium Float

Level contacts

Switching current Switching capacity Operating voltage Measuring range Thermal element

I oad

Number of functions Installed position

Stainless steel (VA)

Brass (MS), Stainless steel (VA)

serial No.

MA - GB - 301 -

Date

06/24

max. L = 2000mm

NR85, (PA) Polyamide or (VA) Stainless steel

with flat séal

1 bar max. - Float SR45, Hart PU

10 bar max. - Float VR50, VA 100°C max.

Hart-PU, Type: SR45 VA, Type: VR50 OK - bistabil, make / break max. 2 adjustable

make / break / changeover Datasheet IN-GB-003/004 Datasheet IN-GB-003/004

12V ... 30V DC 4-20 mA = 0-100°C Pt100

RB = U-12V 20mA max. 3 adjustable vertical ± 30°

Other temperature ranges on request,



SCHÖLLERSHEIDER STR. 15 **POSTFACH 10 02 17 D-40802 METTMANN** 

TELEFON 02104/12093 **TELEFAX** 02104/12028 www.Goldammer-Regelungstechnik.com info@goldammer-regelungstechnik.com