

# NI-3

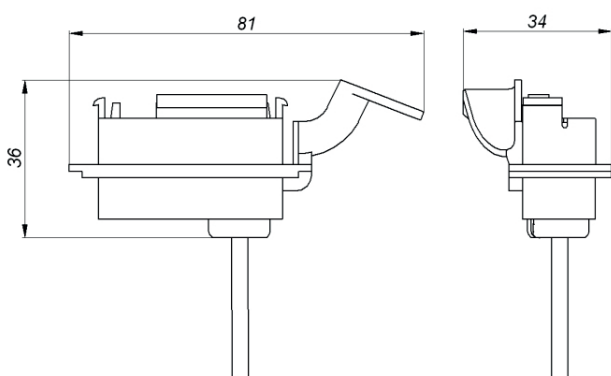
## Pulse transmitter

Pulse transmitter Ni-3 is a contact reed (magnetic) low frequency transmitter designated for generating and transmitting electrical pulses to register the volume and flow of gas in electrical circuits. It is designed to operate with Apator Metrix gas meters.

### TECHNICAL DATA

		NI - 3
Power supply	V	$U_{i, max} = 24$
Current	mA	$I_{i, max} = 100$
Switching power	W	max 0,6
Max resistance	$\Omega$	$R_i = 0,75$
Max inductance	H	$L_i \approx 0$
Max conductivity	S	$C_i \approx 0$
Connecting cable length	m	2 m (on special order up to 10 m)
Operating temperature	$^{\circ}C$	from $-25^{\circ}C$ to $+50^{\circ}C$

### DIMENSIONS



## CONSTRUCTION

The pulse transmitter consists of the following parts:

- Housing
- Low frequency sensors set

## HOUSING

Made of plastic. It contains clinches that allow fastening the transmitter inside the socket of the index. There is a set of sensors inside the housing.

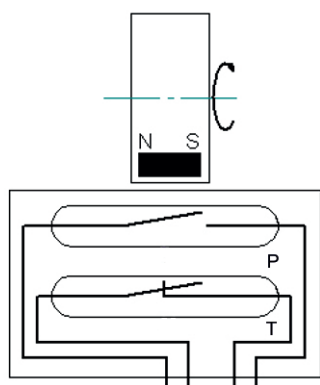
## LOW FREQUENCY SENSORS SET

Consists of the housing with built-in reed switches: pulse counting and tamper reeds. They are covered with a hermetic mass and connected by a 4-wired cable.

## OPERATING PRINCIPLES

There is a magnet in a rotating drum which causes close of a pulse counting reed switch. For this reason electric pulses are rising, and their number is equal to number of the drum rotations.

A tamper reed switch detects attempts to block counting system with strong magnet.



- P – Pulse counting reed switch**  
(normally open)
- T – Tamper reed switch**  
(normally closed)