

# The symmetric antenna flow meters.

The usefulness of an antenna flow meter and what you can do with it

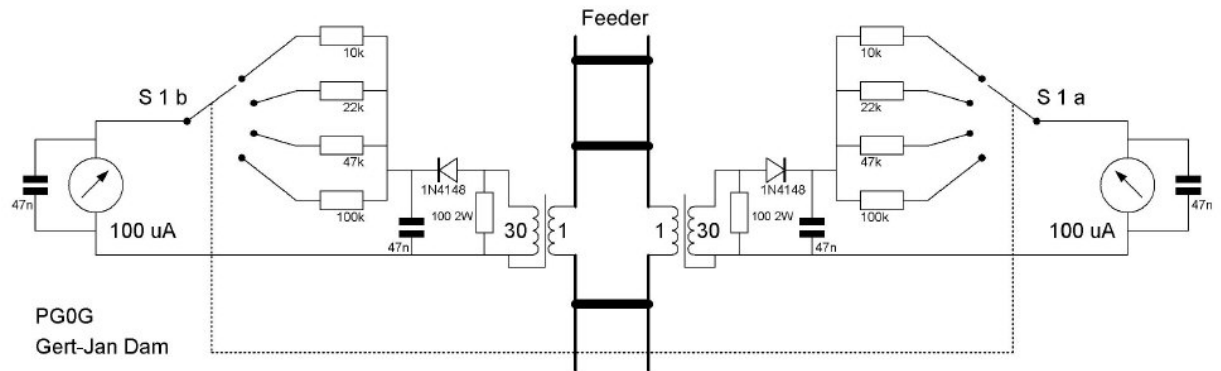


1) An existing tuner adjustment to the maximum antenna power. This is especially important when more than 2 tuners are used.

2) The control of the symmetry of the tuner and antenna. This is important to reduce the risk of low to prevent detection.

3) And if you have multiple tuners you can have with each other.

These things simply can not do it with an SWR meter. Such an instrument which is namely on the wrong side of the tuner.



This is the schedule.

## The power transformers

For the steam transformers take two T68-2 cores Amidon 30 windings of 0.5 mm coated copper. Furthermore, we cut a piece for each transformer aircell cable as shown in the photograph. The jacket of the cables serve as Faraday screen. The Faraday screen is via a short wire with the "bottom" of the transformer connected. Remember that the shell on one side only "ground" may be!



A picture is worth a thousand words ...

The rest of the circuit:

The resistors are just 5% types. In practice, that 5% resistors are generally a very low tolerance.

There are no setup calibration potentiometer because little sense. There is therefore nothing to be adjusted.

For the ordinary 1N4148 diodes are used. They are cheap and easily available. It is not necessary to Schottky diodes are difficult to take. The 1N4148 diodes are fine for this application.

The capacitors are ceramic.



The inside.

The 100-ohm resistors and diodes both its capacitors with wires as short as possible directly to the power transformers. The resistances of 10 kt to 100 k come directly to the rotary switch. The other capacitors are directly on the measuring instruments. A PCB is not needed. For color, we use a plastic box.



For example, the flow meter antenna look.



**This is the back.**