



Emettore EM 345

Pulse emitter for mechanical counter

Data sheet: DS/EM/0007/EN Ed. August 2016

Pulse emitter is a device for the transmission of electrical pulses proportional to the flow rate of the meter.

The mod.EM345 is designed to be inserted inside the mechanical counter veeder root (VR) and may therefore be applied on all ISOIL PD meter provided with mechanical counter with or without ticket printer.

The EM345 is composed by an aluminum disk , with one or more notches , mounted on one of the inner shafts of the mechanical counter VR; straddling the disc an inductive sensor is mounted with Namur contact which detects the passage of the notches thus creating an electrical signal . The sensor is connected through a cable to a waterproof box mounted on the side of the counter VR , inside which is mounted a terminal block for connection to electrical remote totalizers (prepared for Namur input signals).

The disk type used is a function of the type of meter (see table 1).

The EM345 has a intrinsic safety protection: II 2G Ex ia IIC T6.

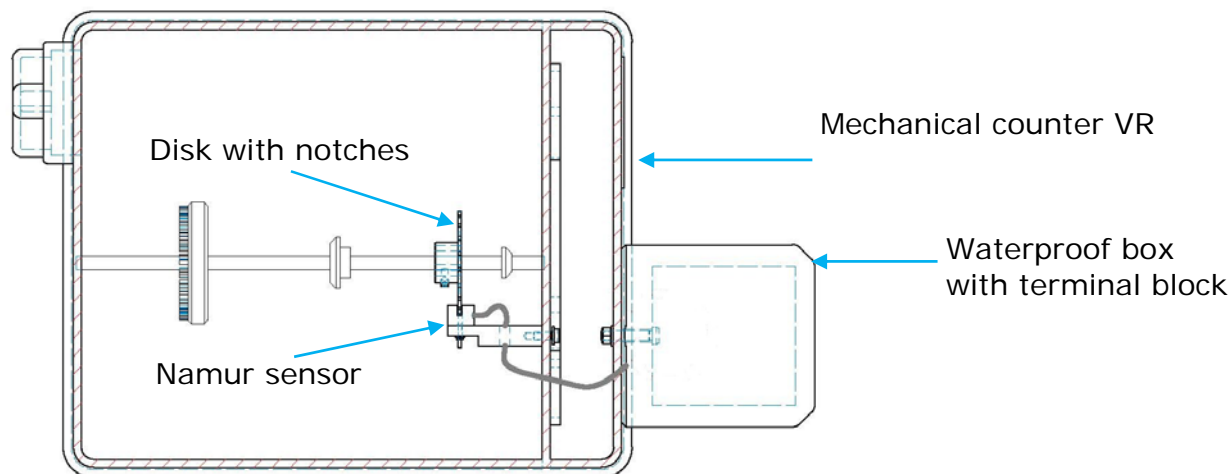
On request, an explosion proof micro-switch may be installed in order to have an electric signal each time the mechanical counter is reset. (es. to reset a totalizer)



Exterior view of the mechanical counter provided with EM 345

	To get 1 pulse / litre	To get 1 pulse / decalitre
Type	Disc number notches	Disc number notches
SBM 75	10	1
SBM 150	10	1
BM 200	10	1
BM 400	10	1
BM 600	/	10
LBM1000	/	10
LBM3000	/	10

Tab.1



Inside view from the top of the mechanical counter with EM 345