

# Installation instructions single jet meter EF / EA / S110 / Picoflux

## General notes:

- The installation has to be done by a well trained professional.
- Water meter are measuring devices and should be handled with care. To protect from damages and dirt meters should be taken out of the packaging right before installation.
- Do only use the provided original gaskets. Do not use hemp or sealing tape.
- If the meter is installed do not solder or make any solder joints within 50 cm of the meter.
- Water meters must be installed free of tension and protected from frost.
- Depending on the water quality a drinking water treatment could be necessary.
- Guaranty can only be claimed when observing this manual and the common rules of technology. Mind the DIN 1988 / EN 806 and DIN EN 14154.

## First installation notes

1. Flush pipe carefully before starting to install the meter.

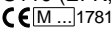
## Meter installation

1. Close valves up- and downstream of the meter / fitting piece.
2. Release pressure.
3. Open connection nuts carefully and collect eventually leaking remnant water.
4. Dismount meter / fitting piece and remove old gaskets completely.
5. Check sealing face for damages or debris and clean them if necessary.
6. Insert new gaskets into the connection and place new meter in flow direction between them.
7. Screw nuts by hand and tighten afterwards with appropriate tool to a typical torque of 20-25 Nm (DN15 / R1/2") resp. 25-30 Nm (DN20 / R3/4").
8. Open valves carefully to prevent pressure blows.
9. Check installation for leakages and seal afterwards.
10. Adjust register if necessary for better reading.

## Declaration of conformity

Herewith Elster Water Metering s.r.o. declares under its sole responsibility and on behalf of its related companies that the product with the approval number DE-11-MI001-PTB009 (according revision valid at the date marked on top of page 1) fulfills the essential requirements of the Directive 2004/22/EG of the European Parliament and the Council of the 31<sup>st</sup> of March 2004 on measuring instruments.

More information can be found on [www.elstermesstechnik.de](http://www.elstermesstechnik.de).

Type, Variant: S110 (EFK, EFW)  
Product label:  1781  
EG type approval: Physikalisch-Technische Bundesanstalt, Notified Body 0102  
Audit process: 2004/22/EG appendix D, Slovenský metrologický ústav – Notified Body 1781 (Certif. SK 14-QD-SMU014, according revision valid at the date marked on top of page 1)

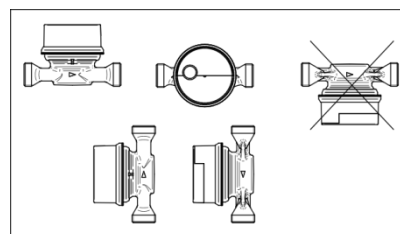
  
Production manager

Further information can be found on [www.elstermesstechnik.de](http://www.elstermesstechnik.de) / [www.elster.com](http://www.elster.com).

## Technical installation data

Detailed technical data can be found in the data sheet available at [www.elstermesstechnik.de](http://www.elstermesstechnik.de).

Permitted installation position	For horizontal and vertical pipes Not head down
Up and downstream	U0 / D0
Pressure range	MAP 10
Mechanical class	M1
Electromagnetical class	E1
Approval MID	DE-11-MI001-PTB009
Meter height from pipe middle	57,5 mm



Elster Messtechnik GmbH  
Otto-Hahn-Ring 2-4  
64653 Lorsch  
[www.elstermesstechnik.de](http://www.elstermesstechnik.de)  
Subject to change without further notice. Rev. 2014/07. SAP-Nr. LA0004439