



## FemtoJet® 4i / FemtoJet® 4x

FemtoJet® 4i and 4x are perfectly suited for injecting smallest volumes from fL up to 1 µL and are distinguished by a wide range of functionality, simple operation and electronic coupling to both, TransferMan® 4r and InjectMan® 4, allowing for easy control of the injection process. The FemtoJet® 4i includes a built-in compressor to deliver the required pressure independently as a stand-alone device. Both microinjectors provide the highest precision that allows for reproducible injections.



	FemtoJet® 4i	FemtoJet® 4x
<b>Applications</b>	<ul style="list-style-type: none"> <li>&gt; Microinjection into suspension or adherent cells</li> <li>&gt; Semi-automatic, serial injection in combination with InjectMan® 4</li> <li>&gt; Ideal for serial injection volumes from femtoliter up to 100 pL</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Microinjection into <i>C. elegans</i>, early fish embryos, <i>Xenopus</i> oocytes</li> <li>&gt; Semi-automatic, serial injection in combination with InjectMan® 4</li> <li>&gt; Preferably used for injecting higher volumes (up to 1 µL) and/or longer injection series</li> </ul>
<b>Pressure supply</b>	Integrated compressor	External pressure source required
<b>Pressure display</b>	Can be set to hPa or psi	Can be set to hPa or psi
<b>Programmable parameters</b>	Injection time, Injection pressure, compensation pressure	Injection time, Injection pressure, compensation pressure
<b>Injection time</b>	0; 10–99; 99 s; can be set in increments of 0.01 s	0; 10–99; 99 s; can be set in increments of 0.01 s
<b>Injection pressure</b>	0; 5–6,000 hPa (87 psi)	0; 5–6,000 hPa (87 psi)
<b>Compensation pressure</b>	0; 5–6,000 hPa (87 psi)	0; 5–6,000 hPa (87 psi)
<b>Clean function</b>	Maximum rinsing pressure 6,000 hPa (87 psi)	Maximum rinsing pressure 6,000 hPa (87 psi)
<b>Dimensions (W x H x D)</b>	213 mm x 250 mm x 207 mm	213 mm x 250 mm x 207 mm
<b>Weight</b>	5 kg	3.5 kg
<b>Serial interface</b>	RS-232, USB (for service only)	RS-232, USB (for service only)