

## Tender text

### Electronic heating/cooling meter multidata qp 15-600m<sup>3</sup>/h

Item	Quantity	Tender text	Unit price €	Total price €
		<p>consisting of:            WR 3 calculator, PT500 platinum temperature sensor pair, IUF flow sensor for any installation with pulse value 25 litres / pulse (qp 15 to 60 m<sup>3</sup>/h) and with pulse value 250 litres / pulse (qp 100 to qp 600 m<sup>3</sup>/h)</p> <p><b>Calculator:</b>            Compact, microprocessor-controlled calculator of the latest generation for heat meters:</p> <ul style="list-style-type: none"> <li>- Case IP 54 (optional IP65), can be opened without tools, with sealing eyes</li> <li>- Temperature range 0°C to 150°C</li> <li>- Temperature difference range 3K to 120K</li> <li>- for connection of temperature sensors PT500</li> <li>- 3-level switchable LC display</li> <li>- 8-digit display with special symbols</li> <li>- Energy power via 6-year lithium battery (optional 10 years)</li> <li>- 2 pulse outputs (energy / volume)</li> <li>- Possible data interfaces for remote reading:            ZR-Bus, RS 232, M-Bus with 2 pulse inputs,</li> <li>- previous month's values can be stored for the entire calibration period</li> <li>- Permanent self-monitoring</li> <li>- Mounting adapter for wall rail mounting and top hat rail mounting</li> </ul>		
.....	.....		.....	.....
.....	.....	<b>Calculator WR 3 Split qp 15 - 60</b>	.....	.....
.....	.....	<b>Calculator WR 3 Split qp 100 600</b>	.....	.....
		Extra charge for M-Bus-interface		
		Product ZENNER		
		<b>Temperature sensor (TS):</b>		
		- Type PT 500, silicone cable, cable length 3m, optionally 10m		
		- for forward and return flow, paired		
		- Installation of the sensors in approved immersion sleeves		
.....	.....	<b>Platinum-TS PT500, Ø6 x 150 mm, cable length 5m</b>	.....	.....
.....	.....	<b>Platinum-TS PT500, Ø6 x 230 mm, cable length 3m</b>	.....	.....
.....	.....	<b>Platinum-TS PT500, Ø6 x 230 mm, cable length 10m</b>	.....	.....
		Product: ZENNER		
		<b>Ultrasonic-flow sensor</b>		
		<b>Type IUF incl.</b>		
		- Flow range 15-600 m <sup>3</sup> /h		
		- Pulse cable length 3 m		
		- Pulse generator class OC acc. to EN 1434-2 (25 litres/pulse for qp 15 to qp 60 m <sup>3</sup> /h and 250 litres/pulse from qp 100 m <sup>3</sup> /h)		
		- Operating temperature max. 105°C (optional 130°C)		
		- Pressure stage PN 16 or PN 25		

.....	.....	<b>IUF, qp 15 m³/h, DN 50 mm, length 200 mm, PN25</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 15 m³/h, DN 50 mm, length 270 mm, PN25</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 25 m³/h, DN 65 mm, length 200 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 25 m³/h, DN 65 mm, length 300 mm, PN25</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 40 m³/h, DN 80 mm, length 225 mm, PN25</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 40 m³/h, DN 80 mm, length 300 mm, PN25</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 60 m³/h, DN 100 mm, length 250 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 60 m³/h, DN 100 mm, length 360 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 100 m³/h, DN 125 mm, length 250 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 100 m³/h, DN 125 mm, length 350 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 150 m³/h, DN 150 mm, length 300 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 150 m³/h, DN 150 mm, length 500 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 150 m³/h, DN 150 mm, length 500 mm, PN25</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 250 m³/h, DN 200 mm, length 350 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 250 m³/h, DN 200 mm, length 500 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 400 m³/h, DN 250 mm, length 450 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 400 m³/h, DN 250 mm, length 600 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 600 m³/h, DN 300 mm, length 450 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	<b>IUF, qp 600 m³/h, DN 300 mm, length 500 mm, PN16</b>	.....	.....
.....	.....	for any mounting position	.....	.....
.....	.....	 Product: ZENNER		
.....	.....	<b>Stainless steel immersion sleeves with copper seal</b>		
.....	.....	- 2 immersion sleeves installation length 85mm	.....	.....
.....	.....	- 2 immersion sleeves installation length 120mm	.....	.....
.....	.....	- 2 immersion sleeves installation length 210mm	.....	.....
.....	.....	 Total price:	.....	.....