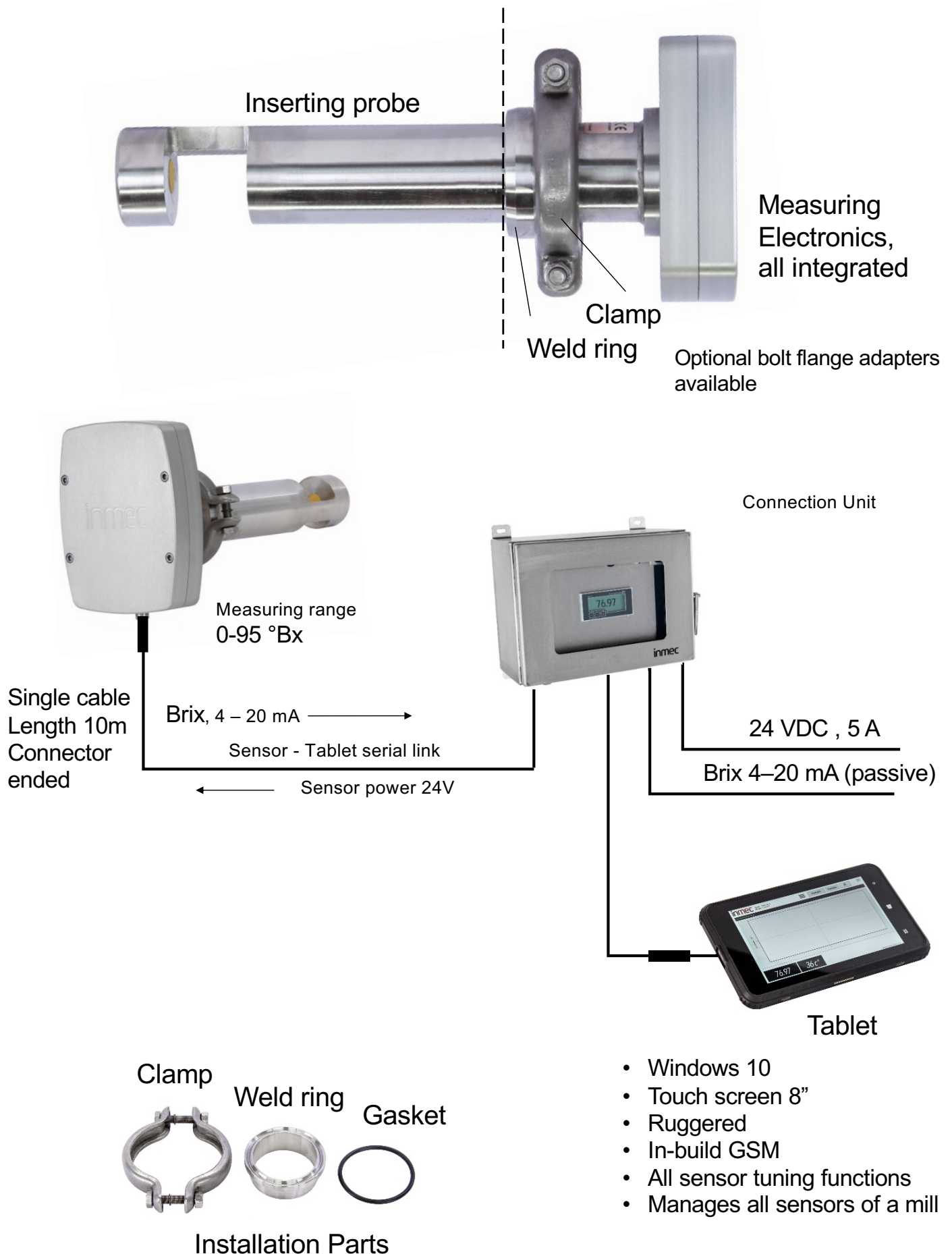
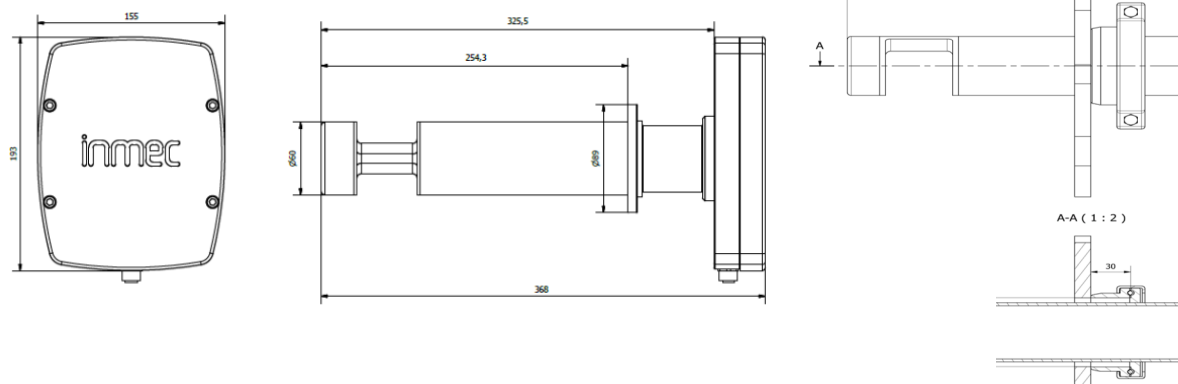




Sensor dimensions



Electrical connections

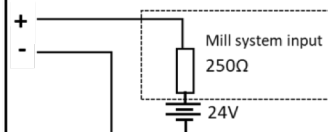
Sensor cable connections			
X2			
13	+	24 VDC to Sensor	Brown
14	-	24 VDC to Sensor	Red
15	+	4-20 mA output passive	Rose
16	-	4-20 mA output passive	Blue
17			
18	+	Serial int.	White
19	-	Serial int.	Grey
20			
21			

External connections			
X1			
13	+	24 VDC	
14	-	24 VDC	
15	+	4-20 mA output passive	
16	-	4-20 mA output passive	
22			
23			

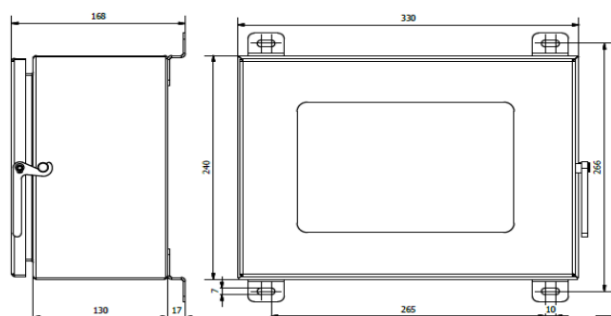
Router connections			
X3			
1	Rx+, Tx+	Data Local	Or/Gr
2	Rx-, Tx-	Data Local	Ye/Br
3	Rx+, Tx+	Data Remote	Gr
4	Rx-, Tx-	Data Remote	Br



Tablet cable



Connection Unit dimensions



Connection unit features

- Numeric display of Brix, Density or %-Concentration
- 4-20 mA Output, Passive
- GSM Router for Remote access
- 24V power supply for the sensor
- Interface to the Operating Tablet



Sensor specifications Inmec Model IL sensor

Measurement

Operating power	Sensor	24V, 2 Amps
Microwave power		15 mW
Connection		Cable to Connection unit, 8 wire shielded. Connectors Aisi316L
Measuring range		0-95%, or as high as material can be pumped
Repeatability		+/- 0.01 % concentration
Sensitivity		+/-0.001% concentration
Measuring resolution		0.01% concentration
Output filtering		1 – 300s
Output		4 – 20 mA, passive
Signal processor		DSP

Process conditions

pH range	3 – 11
Temperature	0 – 140 C
Pressure	
Minimum	Recommended min 1.5 bar to avoid free air
Maximum	
• Model IL	PN10 with Coupling L,
Conductivity	Max. 13mS/cm

Environment

Temperature	0 – +70 ; Protection needed in case of direct heat source
Housing	IP65
Vibration	max. 20 m/s ² 10-2000Hz

Materials

Model IL	Sensor body, Aisi 316L
Housing Parts	Aluminum. Optional Aisi 316
Antennas	Ceramic

Sensor weights

Model	Weight
IL	3.4 kg

Connection Unit specifications

Operating power	24VDC, 5 A
Connection	Cable to sensor, 10m, 8 wire shielded. Connectors Aisi316L
Output	4 – 20 mA, passive Output

Environment

Temperature	0 – +70
Housing	IP65

Material

Unit weight	6 kg
Dimensions	400*300*250 mm
Wall mount	4 bolts

Features

- User features by Tablet
- Remote access via GSM Router
- Numeric display for Brix measurement
- USB connection for Tablet
- 24V supply to the sensor
- 4-20mA output, passive