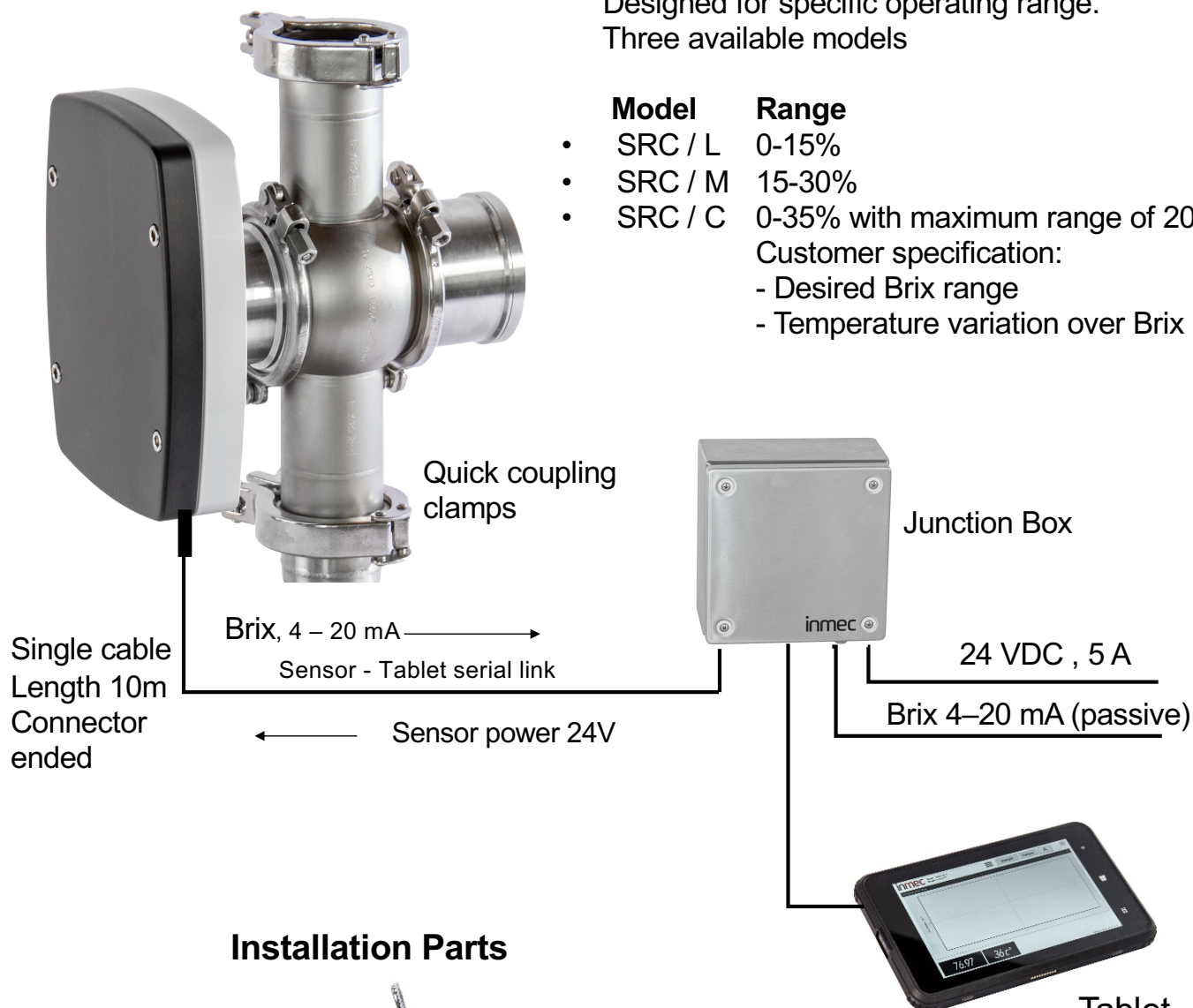


SRC Flow Through Sensor for 2" pipelines

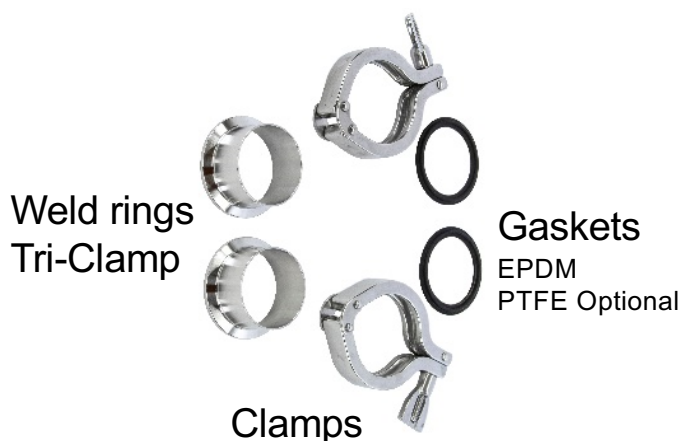
Designed for specific operating range.

Three available models

- | Model | Range |
|-----------|---------------------------------|
| • SRC / L | 0-15% |
| • SRC / M | 15-30% |
| • SRC / C | 0-35% with maximum range of 20% |
- Customer specification:
- Desired Brix range
 - Temperature variation over Brix range

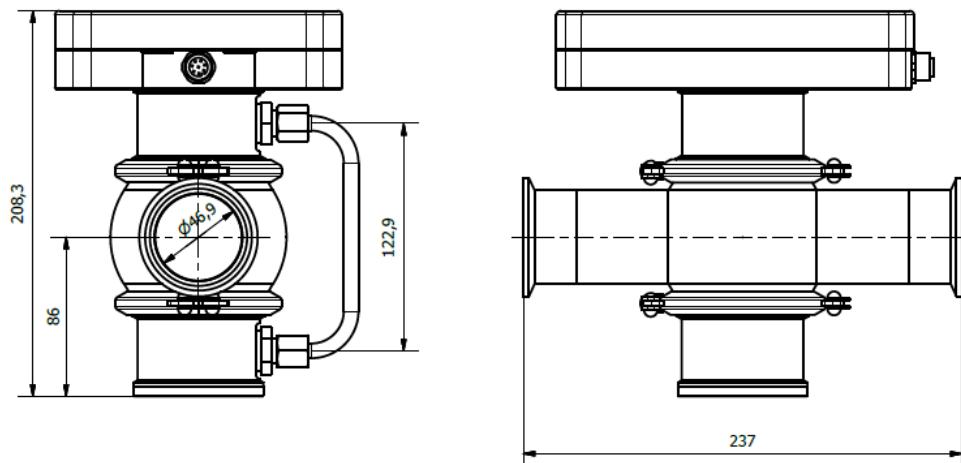


Installation Parts



- Windows 10
- Touch screen 8"
- Rugged
- In-build GSM
- All sensor tuning functions
- Manages all sensors of a mill

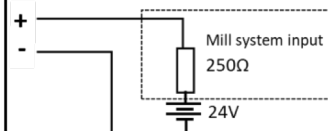
Sensor Model SRC dimensions



Junction Box, Block connectors

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			

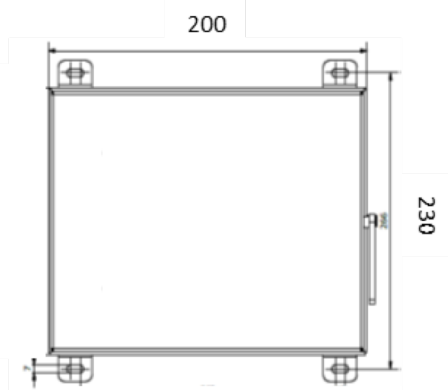
External connections			
X1			
13	+	24 VDC	
14	-	24 VDC	
15	+	4-20 mA output passive	
16	-	4-20 mA output passive	
22			
23			



Tablet cable



Junction Box, Dimensions



Features

- Interface to Tablet
- Mill connections
- 24V supply to the sensor
- 4-20mA output, passive

Sensor specifications Inmec Model SRC, Flow Through sensor

Measurement

Operating power	Sensor	24V, 2 Amps
Microwave power		15 mW
Connection		Cable to Connection unit, 8 wire shielded. Connectors Aisi316L
Process connection		Socket Tri-Clamp
Gasket		EPDM, PTFE As an option

Measuring range

Model SRC/L	0-15%
Model SRC/M	15 – 30%
Model SRC/C	Configurable between 0-35%, Maximum span 20%
	Customer specification:
	- Desired Brix range
	- Temperature variation over Brix range
	- Maximum operating span will depend on maximum temperature variation

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	PN10 ,
Conductivity	Max. 13mS/cm

Environment

Temperature	0 – +70 ; Protection needed in case of direct heat source
Housing	IP65
Vibration	max. 20 m/s2 10-2000Hz

Materials

Model SRC	Sensor body, Aisi 316L
Housing Parts	Aluminum, Anonized
Antennas	Ceramic

Sensor weights

Model	Weight
SRC	3.2 kg

Junction Box 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	Stainles steel
Unit weight	3 kg
Dimensions	200*200*150 mm
Wall mount	4 bolts