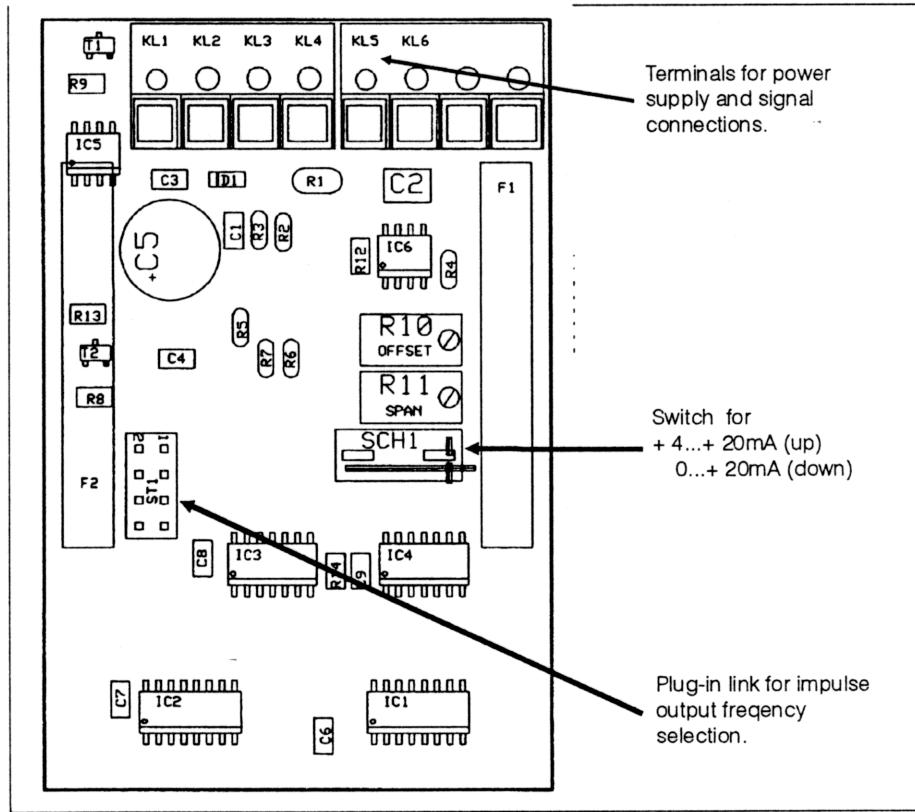
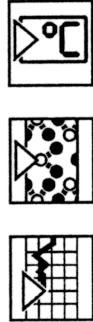


Current - frequency convertor for asp-station a.

PCB for mounting on U rail
inside the sampler terminal box.



Current / frequency convertor order code: UE-RLA



Application:

To convert an analogue flow signal into quantity impulses.
For setting up quantity proportional sampling see the "asp-station a" installation and operating instructions.

Current input selection:

Switch in upper position = + 4...+ 20 mA
Switch in lower position = 0...+ 20 mA

Set plug-in link:

The quantity impulse output frequency is dependent on the positions of the switch and plug-in link.

Plug-in link	0...+ 20 mA	+ 4...+ 20 mA
—	do not use	do not use
—	0...20 Hz	0...15,8 Hz
—	0... 2 Hz	0...1,58 Hz
—	0...0,2 Hz	0...0,158 Hz

(Set the plug-in link to one of the three positions allowed).

Calculation example:

0 ...+ 20 mA equals 0...1000 m³/h.
A sample is to be taken every 100 m³.
The plug-in link is set to 2 Hz.
 $1000\text{m}^3 / 3600 \text{ sec.} = 2 \text{ Hz}$
 $1000\text{m}^3 = 2 \text{ Hz} \times 3600 \text{ sec.} = 7200$
 $100\text{m}^3 = 720 = 720 \text{ IMP set on the "asp-station a".}$

Wiring:

Connect the 0 or + 4 to + 20 mA signal from the external flowmeter to terminal 5 (+) and terminal 6 (-, GND).
Connect the "asp-station a" to the current / frequency convertor:

asp-station a	Converter
KL 9/1 (GND)	to KL 4
KL 9/2 (+8..18V)	to KL 3
KL 9/3 (impulse input)	to KL 1

Hint:

Current input impedance 50 Ω.
No galvanic isolation,
GND connected to each other.

Endress+Hauser

Nothing beats know how

