Transmitter, remote Version

- Only for Bürkert flowmeters in „Low Power“ version
- Displays both flow rate and volume (with two totalizers)
- On site calibration by Teach-In
- Simulation of all output signals

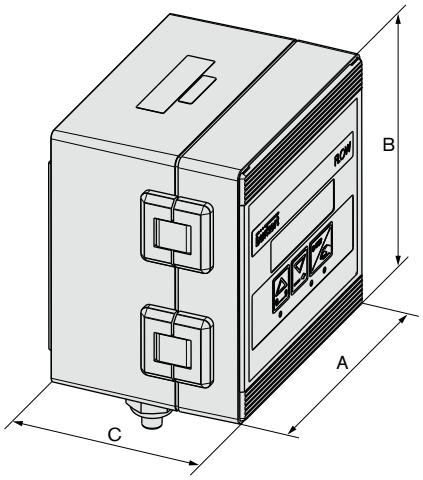
The 8025 flow transmitter with display, is available in wall-mounted and panel versions:

- **The panel version**
  is made up of an electronics integrated in an open housing with display. The electrical connection is carried out on the terminal blocks of the electronic board
- **The wall-mounted version**
  is made up of an electronics integrated in a housing with cover, display. The electrical connection is carried out on the terminal blocks of the electronic board via 3 cable glands.

Technical data

General data	
Display	15 x 60 mm, 8 digit LCD, alphanumeric, 15 segments, 9 mm high
Compatibility	Bürkert flow sensor with frequency output 8020, 8030 or 8070 (pulse “Low Power” version).
Materials	
Housing, cover	PC (panel-mounted version); ABS (wall-mounted version)
Front panel foil	Polyester
Screws	Stainless steel
Cable glands/Cable clips	PA (wall-mounted version) / PA (panel-mounted version)
Electrical connections	Terminals (panel-mounted version) or terminals via cable gland (wall-mounted version)
Recommended cable	0.2 to 1.5 mm² cross-section, shielded cable, 4... 8 mm diameter (for the cable glands of the wall-mounted version)
Electrical data	
Power supply (V+)	
Panel-mounted version	12 - 36 V DC ±10%, filtered and regulated
Wall-mounted version	12 - 36 V DC ±10%, filtered and regulated or 115/230 V AC 50/60 Hz (see technical specifications 115/230 V AC)
Reversal polarity of DC	Protected
Current consumption with sensor	(without consumption of pulse output)
Version with relay	≤ 70 mA (at 12 V DC)
Version without relays	≤ 25 mA (at 12 V DC)
Transmitter input (from sensor)	2.5 to 400 Hz
Frequency range	Pulse “Low Power” (open collector NPN)
Transmitter output (to sensor)	10... 34 V DC (=(V+) - 2 V DC),
Voltage supply	max. current available from transmitter: 1 mA
Current consumption	

Dimensions [mm] (see datasheet for further details Details)



Version	A	B	C
Mounting panel	88	88	25
Wall-mounting	126	120	90

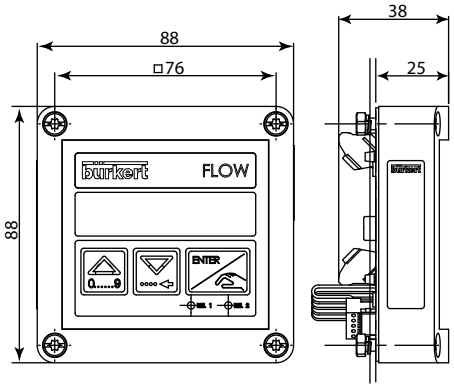
Digital outputs	
Pulse	polarized, potential free, 5... 36 V DC; 100 mA, protected, line drop at 100 mA: 2.5 V DC
Relay	2 relays, freely adjustable 3 A, 230 V AC
Analogue output	
Current	4... 20 mA (3-wire with relays; 2-wire without relay); max. loop impedance: 900 Ω at 30 V DC, 600 Ω at 24 V DC, 50 Ω at 12 V DC, 800 Ω with a 115/230 V AC voltage supply
4...20 mA measurement error	±1%
Technical specifications 115/230V AC	Wall-mounted version:
available on the device	Supply voltage: 27V DC controlled,
	Max. current: 250 mA
	Integrated protection: security fuse 250 mA
	Power: 6 VA

Technical data (continued)

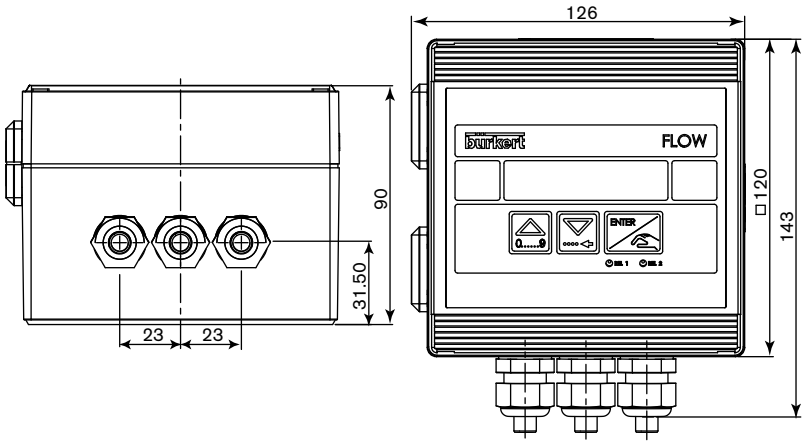
Environment	
Height above sea level	Max. 2000 m
Relative humidity	≤ 80%, without condensation
Ambient temperature	-10 °C to +60 °C (32 to 140°F) (operation and storage)
Standards, directives and approvals	
Protection class	IP65 (panel-mounted and wall-mounted version) device wired and cable glands tightened screwed tight IP20 (panel-mounted version, inside the cabinet)
Approvals	CE
Standard	
EMC	EN 61000-6-2, EN 61000-6-3
Safety	EN 61010-1
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Specific technical data of UL-recognized products for US and Canada	
Relay output	30 V AC and 42 V peak max. or 60 V DC max.
Ambient temperature	-10 °C to +60 °C (14 to 140°F)
Relative humidity	max. 80 %, without condensation
Intended for an inner pollution	Grade of pollution 2, according to EN61010-1
Installation category	Category I, according to UL61010-1

Dimensions [mm]

Panel-mounted version



Wall-mounted version



Ordering chart

Description	Voltage supply	Output	Relays	Sensor version	Electrical connection	Item no.
Transmitter, panel mounted, 2 totalizers	12 - 36 V DC	4... 20 mA (2 wires) + pulse	None	8020/8030[1]/8070[2]	Terminal strip	418 992
		4... 20 mA (3 wires) + pulse	2	8020/8030[1]/8070[2]	Terminal strip	418 994
Transmitter, wall-mounted, 2 totalizers	12 - 36 V DC	4... 20 mA (2 wires) + pulse	None	8020/8030[1]/8070[2]	3 cable glands	418 397
	115/230 V AC	4... 20 mA (3-wires) + pulse	None	8020/8030[1]/8070[2]	3 cable glands	418 400

[1] 8030 = SE30 + S030
[2] 8070 = SE30 + S070

Note regarding the ordering of a complete sensor for remote Type 8025T Transmitter:
Please enter the appropriate sensor according to "Technical Data - compatibility" table and select the respective INSERTION fitting and order the selected sensor separately.

Accessories for remote transmitter Type 8025 (has to be ordered separately)

Description	Item no.
Spare part, panel version	
Mounting set (screws, washer, nuts, cable clips)	554 807
Seal	419 350
Set with 8 FLOW foils	553 191
Spare part, wall version	
Power supply board 115/230 V AC + mounting instruction sheet	555 722

Out-of this-world versatility.

OK, so it still can't fly to the moon. But for anything that needs measuring, controlling and metering, the Bürkert multiCELL multi-channel transmitter/controller Type 8619 is the ideal choice. Up to 6 modular signal inputs and outputs as well as options for mathematical functions or data logging adapt this universal genius individually to every application. This gives you more flexibility, expands the range of possible applications – including those that you might not even have thought of yet – and gives you precisely the support you need. Now also available for measuring chlorine and wall or pipe mounting with an operating voltage of 12..36 VDC and 110/230 VAC. The sky really is the limit!

We make ideas flow.