

ECY-80X product specification

Intelligent pressure controller | Yueqing ELECALL Electric Co., Ltd.

Technical specifications

Parameter	Specification
Output	Upper- and lower-limit alarms
Sampling rate	10 readings/s
Pressure reference	Gauge or absolute
Alarm settings	Adjustable anywhere within the measuring range
Display units	MPa, kg/cm ² or psi
Measured medium	Liquids or gases that do not corrode the wetted materials
Supply choices	12VDC, 24VDC, 220VAC or 380VAC
Contact capacity	5A, resistive load
Ambient temperature	−20°C to 50°C
High-temperature construction	−20°C to 200°C process measurement
Connection material	304 stainless steel threaded fitting

Sensor-dependent specifications

Parameter	Ceramic	Diffused silicon	Glass microfused
Pressure range	−0.1–60MPa	−0.1–100MPa	0.5–300MPa
Accuracy	±0.5%	±0.4% or ±0.2%, custom	±0.5%, custom
Overload	1.5× full scale	1.5× full scale	2× full scale
Measuring temperature	−20°C to 80°C	−20°C to 50°C	Not separately specified

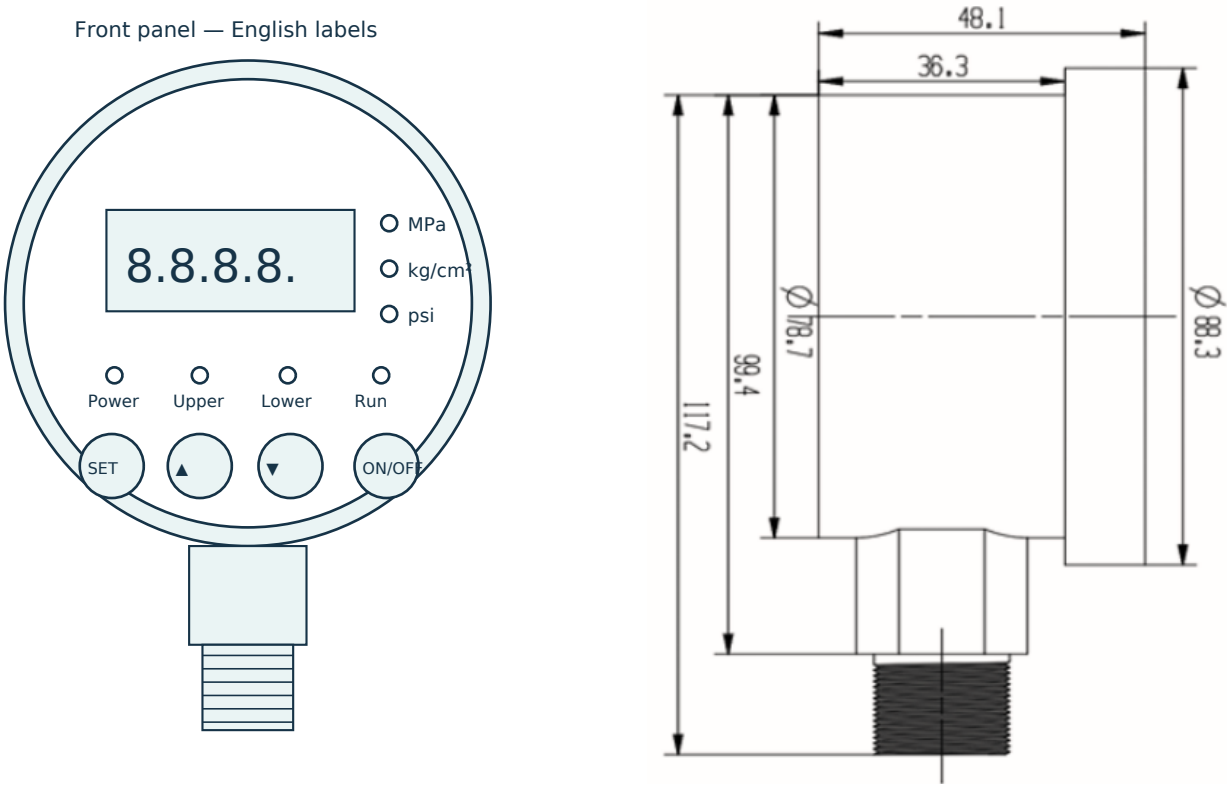
Thread choices

M20×1.5, M14×1.5, G1/2, G1/4, G3/8 or G3/4. The glass-microfused sensor construction is available with M20×1.5 only.

The high-temperature construction is a separate option; it does not increase the stated ambient-temperature limit.

Reference outline and dimensions

Dimensions in mm. The side-view drawing is retained from the source. Front-panel labels are translated into English.



Dimension	Value
Front bezel diameter	Ø88.3
Main case diameter	Ø78.7
Overall depth	48.1
Main case depth to bezel	36.3
Top of main case to bottom of process thread	117.2
Top of main case to bottom of process hex	99.4

Unit and accuracy notes

The pressure unit is kg/cm². Accuracy options use ± values as listed in the sensor-specific table.

The temperature table does not separately identify the standard glass-microfused sensor temperature range; no temperature value is assigned to that construction. The source marks the remaining area below the outline as intentionally blank.