



Type 8175 can be combined with...

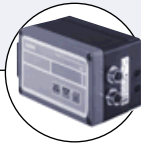


**Type 2030**



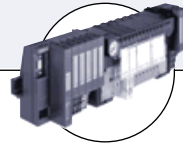
**Type 2712**

Continuous Control Valve



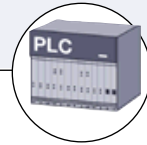
**Type 6213**

Continuous SIDE Control



**Type 8644**

Valve island with electronic I/O



**PLC**

- Level measurement up to 32.8 ft (10 m)
- Multi-language menu control
- Interference echo filter
- Extensive additional functions (simulation, Teach In, programmable tank shapes)

The Type 8175 is a non-contact filling level transmitter. It consists of an ultra-sonic sensor and an electronics module with a signal converter and a digital display. The sensor and the electronics module can be supplied as a

compact unit or as remote components. The remote electronics module is available in either wall or panel mounting. The units with the relay option make it possible to provide alarm messages and to automatically

carry out filling and draining procedures. The unit is suitable for measurements in open or closed tanks for all liquids, and also for limited use with solids (depending on angle).

Technical data	
<b>Measurement range</b>	For liquids Compact version 1.0 ft to 32.8 ft (0.3 m to 10 m) Panel / wall mount 1.0 ft to 23.0 ft (0.3 m to 7 m)
<b>Measurement accuracy</b>	± 0.25% of the measurement range
<b>Resolution</b>	± 1/8" (3 mm)
<b>Blocking distance</b>	12" (30 cm) from transmitter base
<b>Frequency</b>	50 kHz
<b>Pulse rate</b>	8 pulses/s
<b>Full beam width</b>	8° conical
<b>Operating voltage</b>	18 to 32 V DC or 115/230 V AC
<b>Current consumption</b>	≤ 200 mA
<b>Current flow</b>	Sinking or sourcing
<b>Output signal (invertable)</b>	4 to 20 mA or 20 to 4 mA
<b>Alarm display</b>	22 mA
<b>Relay output (als Option)</b>	2 relays (3 A) freely adjustable
<b>Load</b>	≤ 1300 Ω at 32 V, ≤ 1000 Ω at 24 V, ≤ 550 Ω at 18 V
<b>Safety switching in case of loss of power or signal</b>	Relay contacts drop off (N/O contact function)
<b>Electrical connection</b>	NPT 1/2, M16 x 1.5 <sup>1)</sup>

<sup>1)</sup> M16 x 1.5 = Cable gland for cables with Ø 4 - 8 mm

Technical data (continued)	
<b>Display</b>	8-digit LCD display, 9 mm high alphanumeric characters
<b>Display of filling level</b>	Selectable as cm, m, inch, feet
<b>Display of volume</b>	Selectable as l, m <sup>3</sup> , US gal or Imp gal
<b>Operation</b>	3 film buttons
<b>Protection</b>	Operating parts sealed by hinged cover in operation
<b>Media temperature</b>	-40 to +176 °F (-40 to +80 °C)
<b>Ambient temperature</b>	-4 to +140 °F (-20 to +60 °C)
<b>Humidity</b>	Max. 80% non condensated
<b>Temperature compensation</b>	Programmable, according to gaseous medium in the path of the pulses
<b>Pressure range</b>	≤ 29 psi (2 bar) at +77 °F (+25 °C)
<b>Materials</b>	
Sensor	PVDF
Transmitter body	
Compact and cabinet	PC with 20% glass-fibre
Field mounting version	ABS
Protecting class	IP 65
Mounting thread	NPT 2 or G 2

