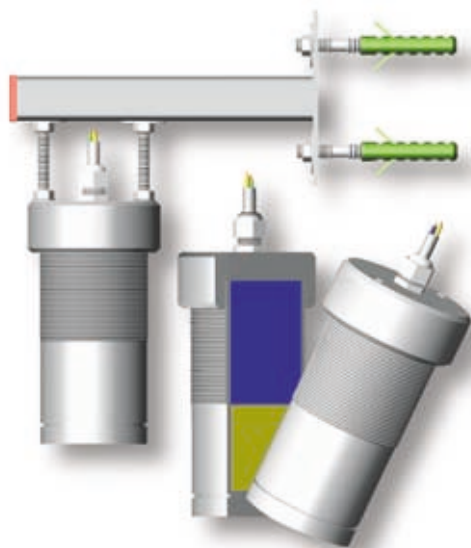


COMPACT ULTRASONIC PROBES TYPE PU



PU 0500	PU 2000	PU 4000	PU 6000
50 cm	200 cm	400 cm	600 cm
Range 0 ÷ 40 cm	0 ÷ 180 cm	0 ÷ 350 cm	0 ÷ 520 cm
Resolution	0.02 cm		
Measurement accuracy	1.2% of reading		
Linearity	± 0.2 cm		
Emission angle	10°		
Compensation	Internal, temperature coefficient ± 0.02 % / °C		
Operating temperature	-25° ÷ +70°C		
Storage temperature	-40° ÷ +85°C		
Power supply	12 ÷ 25 VDC / 100 mA		
Current output	4/0 ÷ 20 mA / generally adjustable in range of 0 ÷ 30 mA / 300W		
Binary output	Open collector max. 30 VDC / 50 mA		
Binary output functions	• comparator or band switch (with hysteresis) • fault or start phase signalling • pulse output (period is linearly proportional to level height)		
Communication line	RS 485, 1200 ÷ 19200 baud, ASCII protocol		
Protection	IP 67 / Nema 5		
Dimensions H x W x D	185 x 90 x 90 mm		
Weight	1.8 ÷ 2.5 kg		
Connecting cable	8 x 0.5 mm ² CU, firmly connected to the probe with a length of 4 m		
Communication SW	DOS, WINDOWS		

ULTRASONIC LEVEL MHU

MHU Series 99 + PU sensor

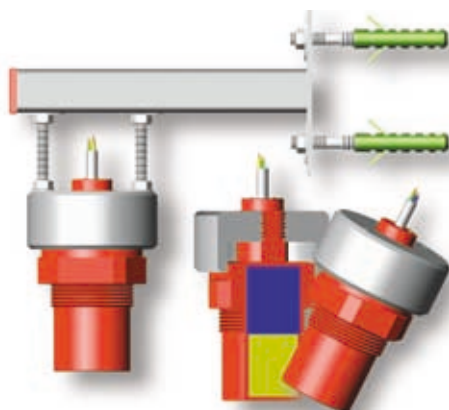


MHU SMART 99 + PU sensor



Specification for control unit	Series 99	SMART 99
Input	1 ultrasonic probe	1÷2 ultrasonic probe
Current flow measurement accuracy	1.8 % Flumes, 3 % Weirs	1.8 % Flumes, 3 % Weirs
Total volume measurement accuracy	2.5 % Flumes, 4 % Weirs	2.5 % Flumes, 4 % Weirs
Data storage	Yes	Yes
Statistics	No	5 minute/hours/days/months
Real time	Real clock/calendar till 2099	Real clock/calendar till 2099
Display	LCD, 2 x 16 characters	LCD, 2 x 16 characters
Control	Keyboard with 4 pushbuttons	Keyboard with 4 pushbuttons
Programmable functions		Comparison of adjustable/measured value
Analogue output (active)	Isolated 4(0) ÷ 20 mA, (0 ÷ 30 mA) 300 Ω	1 ÷ 2 isolated 4(0) ÷ 20 mA, (0 ÷ 30 mA) 300 Ω
Pulse output (1 relay)	Total volume (x.m ³) per pulse	Total volume (x.m ³) per pulse
Binary output (3 relays)	No	Comparators 30 VDC / 2A ^ 125 VDC / 0.5 A
Communication output (data)	No	RS232/RS485, selectable rate, EIA protocol
Power supply	230 V / 115 V + 10 % / -15 %, 50 / 60 Hz, 20 VA	230 V / 115 V + 10 % / -15 %, 50 / 60 Hz, 20 VA
Protection	IP 65 / Nema 4	IP 65 / Nema 4
Ambient temperature	-20°C to +50°C	-20°C to +50°C
Dimensions (height x width x depth)	190 x 140 x 115 mm	190 x 140 x 115 mm
Housing material	Plastic = ABS	Plastic = ABS
Weight	2 kg	2 kg
Cable terminals	3 pcs. of PG 11	3 pcs. of PG 11
Maximum probe distance	250 m (shielded cable)	250 m (shielded cable)

ULTRASONIC OPEN CHANNEL FLOWMETER MQU



Probe type	NU 40000
Measurement range	0 ÷ 370 cm
Resolution	0.01 cm
Measurement accuracy	1.2 % of range
Linearity	± 0.2 cm
Emission angle	5°
Compensation	Internal, temperature coefficient ±0.02 % / °C
Operating temperature	-20° ÷ +70 °C
Storage temperature	-30° ÷ +80 °C
Power supply	10.8 ÷ 30 VDC / max. 38 mA
Protection	IP 68 / Nema 6
Dimensions H x W x D	140 x 90 x 90 mm
Probe material	PP
Weight	0.7 kg
Connecting cable	4 x 0.5 mm ² PVC - CU, firmly connected to the probe with a length of 3 m

MQU Series 99



Flumes



MQU SMART 99



Specification for control unit	Series 99	SMART 99
Input	1 ultrasonic probe	1÷2 ultrasonic probe
Current flow measurement accuracy	1.8 % Flumes, 3 % Weirs	1.8 % Flumes, 3 % Weirs
Total volume measurement accuracy	2.5 % Flumes, 4 % Weirs	2.5 % Flumes, 4 % Weirs
Data storage	Yes	Yes
Statistics	No	5 minute/hours/days/months
Real time	Real clock/calendar till 2099	Real clock/calendar till 2099
Display	LCD, 2 x 16 characters	LCD, 2 x 16 characters
Analogue output (active)	Isolated 4(0) ÷ 20 mA, (0 ÷ 30 mA) 300 Ω	1 ÷ 2 isolated 4(0) ÷ 20 mA, (0 ÷ 30mA) 300 Ω
Pulse output (1 relay)	Total volume (x.m ³) per pulse	Total volume (x.m ³) per pulse
Binary output (3 relays)	No	Comparators 30 VDC / 2 A ^ 125 VDC / 0.5 A
Communication output (data)	No	RS232/RS485, selectable rate, EIA protocol
Power supply	230 V / 115 V + 10 % / -15 %, 50 / 60Hz, 20 VA	230 V / 115 V+10 % / -15 %, 50/60 Hz, 20 VA
Protection	IP 65 / Nema 4	IP 65 / Nema 4
Ambient temperature	-20 °C to +50 °C	-20 °C to +50 °C
Dimensions (height x width x depth)	190 x 140 x 115 mm	190 x 140 x 115 mm
Housing material	Plastic = ABS	Plastic = ABS
Weight	2 kg	2 kg
Cable terminals	3 pcs. of PG 11	3 pcs. of PG 11
Maximum probe distance	250 m (shielded cable)	250 m (shielded cable)

Representative: