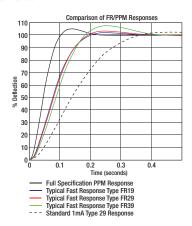
Fast Response Presentor

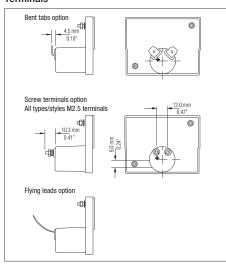
Comparison of full specification PPM meters and **Fast Response Presentor range**

The response curves below give a comparison of the full specification PPM meters with that of a Fast Response Presentor 19, 29 and 39.

A variation in over swing will occur from the nominal Presentor responses shown, as unlike the full specification PPM indicator where each meter is individually adjusted for ballistics, these fall within normal process parameters. In each case the FSD is 1mA. For the Presentor range the terminal resistance is 465 Ω ±15% whereas for the PPM meter it is $600\Omega \pm 5\%$.

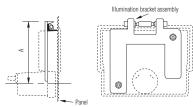


Terminals



Illumination is available in either of the three forms below. Please contact the sales office for full information.

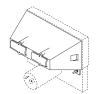
Available for types 19W, 19WF, 29W, 29WF, 39W, 39WF, Unit contains Ø6mm festoon style lamp available in 6V, 12V, or 24V.



Type	Dimension A
FR19	33.5mm/1.33"
FR29	55.5mm/2.19"
FR39	68.5mm/2.69"

Available for all styles for types 29, 39. The meter fixing studs occupy different positions and rectangular panel cut-outs are required for styles M, B. Drawings

Unit is available with either festoon style or T1% flanged lamps available in 6V. 12V, 24V. T1% flanged LEDs are also available in either 12V or 24V. (One lamp on type 29, two lamps on type 39).





Internal LED illumination is also available for most sizes and types. Please contact the sales office for full information

As part of our policy of continuous product improvement we reserve the right to change specifications at any time.

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technol ASA





Fast Response Presentor

Types FR19, FR29, FR39

The Presentor Fast Response range of analogue panel meters complements the proven and popular Industrial and Audio Level series. The range is available in three sizes each in four styles and offers a performance close to that of full specification PPM meters to meet today's broadcast market requirement for quality at affordable prices.

Features and benefits

- Choice of four styles available in each size
- Simple back of panel mounting
- Back of panel mounting with accompanying bezel
- Front of panel mounting with lower mask
- Front of panel mounting with full bezel
- Constructed with transparent acrylic front and high impact translucent rear body moulding. Masks and bezels are moulded in black ABS.
- Taut band core magnet movement incorporated as standard with compact 26mm diameter barrel. This rugged movement makes these meters equally suitable for portable or fixed applications. There is no calibration effect when mounted on a ferrous panel

Specification

A dc milliammeter offering performance close to that of full specification PPM meters to IEC 268-10. The general meter build conforms to the relevant parts of BS89, EN 60051 and IEC 60051.

Pointers and dials

The combination of white tube pointer and flattened arc scale on a black dial results in an easy-to-read meter.

Zero adjuster

Nomally positioned on the front of surface mounted styles (M and B types) or on the rear of behind panel styles (W and WF types). Other options may be specified

Certified drawings

Available on request.

Operating Temperature

-25°C to +55°C.

Illumination

Comprehensive options are available. Please refer to back page for more information.

Terminals

6mm tabs are supplied as standard but threaded studs or flying leads are available. Please refer to back page for more information.



- Flexible styling 3 sizes each in four styles
- High performance at affordable
- Illumination Options













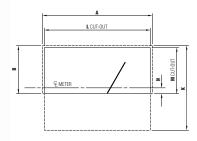


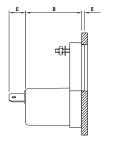
Presentor Style W

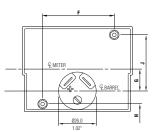
For back of panel mounting with only the scale and pointer visible.

Types: FR19W, FR29W, FR39W









	19W		29	w	39W	
	mm	inches	mm	inches	mm	inches
Α	43.9	1.73	76.1	3.00	94.0	3.70
В	21.0	0.82	33.3	1.31	41.9	1.65
C	11.5	0.45	11.5	0.45	11.5	0.45
D	31.2	1.23	30.5	1.20	30.2	1.18
Е	7.5	0.30	10.0	0.39	11.0	0.43
F	32.0	1.26	47.8	1.88	57.2	2.25
G	4.7	0.18	15.0	0.59	20.9	0.78
Н	Fixing studs on horizontal plan, 7.0mm/0.28" above barrel CL.		9.7	0.38	8.6	0.34
J			38.0	1.50	48.5	1.90
K	37.9	1.49	58.8	2.32	74.0	2.91
L	42.4	1.67	73.7	2.90	91.5	3.60
M	20.2	0.79	32.3	1.27	40.5	1.59
N	2.0	0.08	3.9	0.15	5.70	0.22

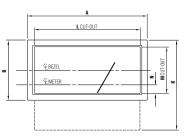
Presentor Style WF

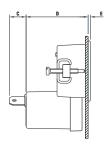
For back of panel mounting with bezel and with only the scale and pointer visible.

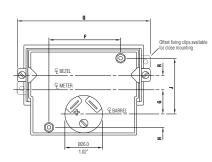
Types: FR19WF, FR29WF, FR39WF

Max panel thickness 4.0mm/0.16" (except type 19: 3.0mm/0.12") Meter barrel cut out 27.0mm/1.06" Fixing studs M2.5x10.0mm/0.39" (except type 19: M2)









	19WF		29WF		39WF	
	mm	inches	mm	inches	mm	inches
Α	49.2	1.94	82.8	3.26	101.0	3.98
В	27.0	1.06	41.6	1.64	50.5	1.99
С	11.5	0.45	11.5	0.45	11.5	0.45
D	40.8	1.61	42.9	1.69	43.4	1.71
Е	1.5	0.06	1.5	0.06	1.6	0.06
F	32.0	1.26	47.8	1.88	57.2	2.25
G	6.10	0.24	16.7	0.66	28.7	1.13
Н	Fixing studs on horizontal plan, 7.0mm/0.28" above barrel CL.		9.70	0.38	8.6	0.34
J			38.0	1.50	48.5	1.90
K	40.6	1.60	62.2	2.45	76.1	2.99
L	47.0	1.85	80.0	3.26	98.0	3.86
M	24.0	0.95	37.0	1.46	46.0	1.81
N	5.2	0.20	8.10	0.32	10.2	0.40
Q	58.5	2.30	90.6	3.57	108.6	4.28
R	6.8	0.27	10.3	0.41	12.8	0.50
		•				

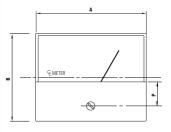
Presentor Style M

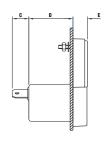
For front of panel mounting with lower mask.

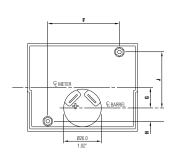
Types: FR19M, FR29M, FR39M

Max panel thickness 6.0mm/0.24" Meter barrel cut out 27.0mm/1.06" Fixing studs M2.5x10.0mm/0.39" (except type 19: M2)









	19M		29	ЭМ	39M	
	mm	inches	mm	inches	mm	inches
Α	43.9	1.73	76.1	3.00	94.0	3.70
В	38.8	1.53	60.3	2.37	74.0	2.91
C	11.5	0.45	11.5	0.45	11.5	0.45
D	31.2	1.23	30.5	1.20	30.2	1.18
Е	7.5	0.30	10.0	0.39	11.0	0.43
F	32.0	1.26	47.8	1.88	57.2	2.25
G	4.2	0.17	14.2	0.56	20.0	0.79
Н		horizontal plan,	9.7	0.38	8.6	0.34
J	7.0mm/0.28" above barrel CL.		38.0	1.50	48.5	1.90
P	9.9	0.39	16.1	0.63	20.4	0.80

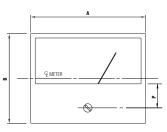
Presentor Style B

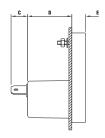
For front of panel mounting with full bezel

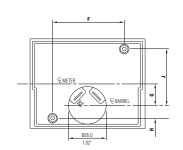
Types: FR19B, FR29B, FR39B

Max panel thickness 6.0mm/0.24" Meter barrel cut out 27.0mm/1.06" Fixing studs M2.5x10.0mm/0.39" (except type 19: M2)









	19B		29B		39B	
	mm	inches	mm	inches	mm	inches
Α	46.0	1.81	79.5	3.13	97.5	3.84
В	40.0	1.57	61.9	2.44	76.4	3.01
С	11.5	0.45	11.5	0.45	11.5	0.45
D	31.2	1.23	30.5	1.20	30.2	1.18
Е	7.50	0.30	10.0	0.39	11.0	0.43
F	32.0	1.26	47.8	1.88	57.2	2.25
G	4.8	0.19	15.0	0.59	20.8	0.82
Н	Fixing studs on horizontal plan, 7.0mm/0.28" above barrel CL.		9.7	0.38	8.6	0.34
J			38.0	1.50	48.5	1.90
Р	9.9	0.39	16.1	0.63	20.4	0.80