



HAZARDOUS AREA SOLUTIONS

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EX VOLTMETER, AMMETER AND POTENTIOMETER

IP66



Delvalle, wide experience in manufacturing solutions for hazardous area



WE PUT AT YOUR DISPOSAL

We offer over **45 years** providing hazardous area **solutions** to demanding customers who require very specific characteristics and behaviour according to the sector and their needs.

WHEREVER YOU GO

We are committed to working closely with our customers, providing them with exceptional service and offering an advanced and **extensive range of hazardous area products** with very competitive prices.

CONSULTING & ENGINEERING

Atex Delvalle adapts to our clients' needs by offering hazardous-area systems.
Certified Junction Box Assembly.
Atex-delvalle are the leading certified assembler of Ex junction boxes. With an extensive stock holding of stainless steel enclosures, our workshops are able to provide unrivalled competence, expertise, quality and service to customer specifications.
Our customized services, experienced design and drafting 3D support.

HIGH STANDARD OF QUALITY AND SERVICES

We only use materials provided by companies who offer the very highest quality, suitable and certified products. Our success is due to **top quality** assurance:
ISO 9001, SGS, UL, TÜV, ISO 14000, Ohsas 18001, ATEX, IECEx.



CONTACT US

Confidentiality, reliability & quality

www.atexdelvalle.com
atex@atexdelvalle.com
+34 945 601 381

ALSO ONLINE

Please contact our technical sales department.

A team of professionals with high experience and ability to solve all your queries.



**Zones 1, 2, 21 and 22**

EX VOLTMETER, AMMETER AND POTENTIOMETER IP66



Examples



**High Degree of Protection
Up to IP66**

Delvalle Ex voltmeter, ammeter and potentiometer conform to Atex and IECEx certifications.

They have high degree of protection up to IP66 for use in explosive atmospheres listed as Zones 1, 2, 21 and 22.



FOR MORE INFORMATION CLICK HERE



EX VOLTMETER, AMMETER AND POTENTIOMETER IP66

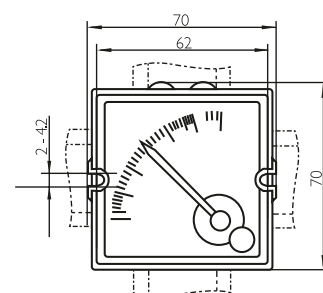
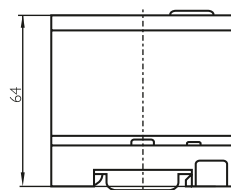
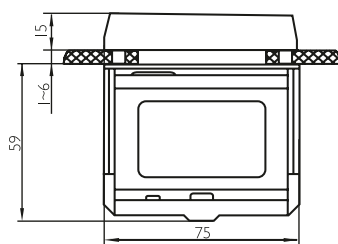
TECHNICAL DATA VOLTMETER AND AMMETER

- Mounting for board front rail mounting. It can be mounted on rail vertically or horizontally just to change the direction of mounting base.
- Mounting bracket for board back type.
- Meter module has warning pointer which can be regulated.
- Ammeter and voltmeter operation head:
 - Zones I, 2, 2I and 22.
 - Degree of protection: IP66.
- Operating temperature: -55°C to +65°C.
- Material: polyamide.
- Ammeter and voltmeter module:
 - Zones I and 2.
 - Operating temperature: -40°C to +95°C.
 - Ammeter framework: electromagnetic
 - Accuracy class: 1.5.
 - Overload scale: 2 times, 5 times.
 - Terminals: 2x2.5mm².

EX VOLTMETER



Voltmeter



Voltmeter
with window

EX VOLTMETER		
SPECIFICATION	WEIGHT (Kg)	REFERENCES
0 - 25V	0.210	VOLT25
0 - 40V		VOLT40
0 - 150V		VOLT50
0 - 250V		VOLT75
0 - 500V		VOLT100

CALOTTE (73x73mm) / CALOTTE WITH LABEL (73x87mm)



REFERENCE

WINDOWS_M1



REFERENCE

WINDOWS_M2

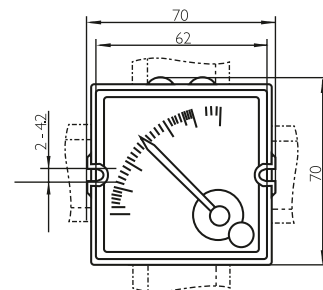
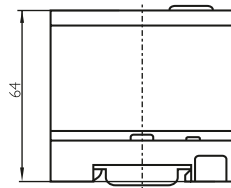
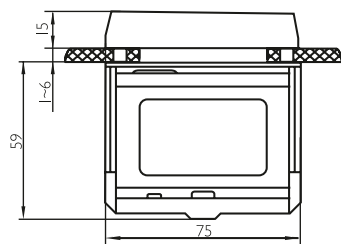


EX VOLTMETER, AMMETER AND POTENTIOMETER IP66

EX AMMETER



Ammeter



Ammeter
with window

CALOTTE (73x73mm)



REFERENCE

WINDOWS_M1

CALOTTE WITH LABEL (73x87mm)



REFERENCE

WINDOWS_M2

EX AMMETER							
MEASURING WAY	OVERLOAD SCALE	MEASURING RANGE	WEIGHT (Kg)	REFERENCES			
Direct measuring	2	0 - 1 / 2A	0.157	AMP_AI			
		0 - 5 / 10A		AMP_A5			
		0 - 10 / 20A		AMP_AI0			
For current transformer	2	0 - 1 / 2A	0.158	AMP_AI_□2			
		0 - 2.5 / 5A		AMP_A2.5_□2			
		0 - 5 / 10A		AMP_A5_□2			
		0 - 15 / 30A		AMP_AI5_□2			
		0 - 25 / 50A		AMP_A25_□2			
		0 - 40 / 80A		AMP_A40_□2			
		0 - 50 / 100A		AMP_A50_□2			
		0 - 60 / 120A		AMP_A60_□2			
		0 - 75 / 150A		AMP_A75_□2			
		0 - 100 / 200A		AMP_AI00_□2			
		0 - 150 / 300A		AMP_AI50_□2			
		0 - 200 / 400A		AMP_A200_□2			
		0 - 250 / 500A		AMP_A250_□2			
		0 - 300 / 600A		AMP_A300_□2			
		0 - 400 / 800A		AMP_A400_□2			
		0 - 500 / 1000A		AMP_A500_□2			
		0 - 600 / 1200A		AMP_A600_□2			
		For current transformer		5	0 - 1 / 5A	0.152	AMP_AI_□5
					0 - 2.5 / 12.5A		AMP_A2.5_□5
0 - 5 / 25A	AMP_A5_□5						
0 - 15 / 75A	AMP_AI5_□5						
0 - 25 / 125A	AMP_A25_□5						
0 - 40 / 200A	AMP_A40_□5						
0 - 50 / 250A	AMP_A50_□5						
0 - 60 / 300A	AMP_A60_□5						
0 - 75 / 375A	AMP_A75_□5						
0 - 100 / 500A	AMP_AI00_□5						
0 - 150 / 750A	AMP_AI50_□5						
0 - 200 / 1000A	AMP_A200_□5						
0 - 250 / 1250A	AMP_A250_□5						
0 - 300 / 1500A	AMP_A300_□5						
0 - 400 / 2000A	AMP_A400_□5						
0 - 500 / 2500A	AMP_A500_□5						
0 - 600 / 3000A	AMP_A600_□5						
Secondary current transformer			Replace "□" by "1" (1A) or "5" (5A) in the reference				
Milammeter	-		0 - 20 / 40mA		0.211		AMP_MAI_□□
		4 - 20 / 40mA	AMP_MA2_□□				
Scale		Replace "□□" for scale in the reference. Ex. "AMP_MAI_80"					

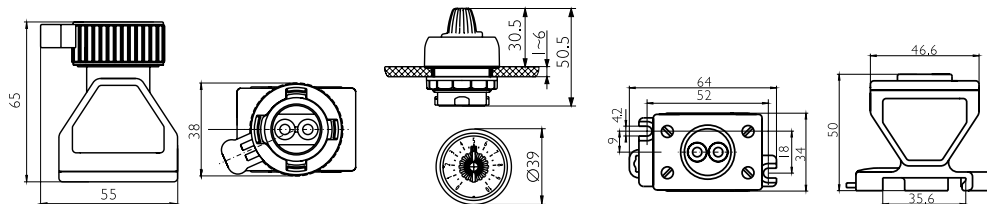
TECHNICAL DATA POTENTIOMETER

- Mounting bracket for board back type or board front mounting rail type.
 - Potentiometer operation head:
 - Zones I, 2, 2I and 22.
 - Degree of protection: IP66.
 - Certificates number:
 - IECEx CML 19.0083U
 - CML 19ATEX3298U
 - Tighten torque: 2.8 ~ 3.4 Nm (M30x1.5).
 - Potentiometer module:
 - Terminals: 2x2.5mm².
- Ambient temperature: -55°C/-40°C <T_a< +60°C (-55°C optional).
- Service temperature: -55°C/ -40°C to +90°C (-55°C optional).
- Rated voltage: Max. 200V DC.
- Rated power: Max. 0.1 W.
- Scale: 0~100%.
- Nominal resistance: 100mΩ ~ 2MΩ.
- Board front rail mounting: on TS35 x 7.5 rail or screw fixation.
- Board back mounting: on l ~6mm panel.

EX POTENTIOMETER



Potentiometer - board back type

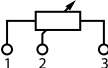


Potentiometer - board front mounting rail type

POTENTIOMETER



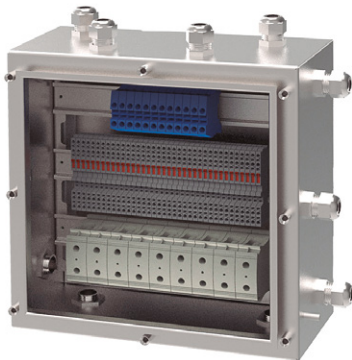
REFERENCES	DIRECTION
PTH	
PTV	

EX POTENTIOMETER						
ELECTRICAL DIAGRAM	BOARD FRONT MOUNTING RAIL			BOARD BACK		
	WEIGHT (Kg)	RESISTANCE VALUE	REFERENCES	WEIGHT (Kg)	RESISTANCE VALUE	REFERENCES
	0.097	100Ω	BLQC/100/□	0.107	100Ω	BLQT/100/□
		200Ω	BLQC/200/□		200Ω	BLQT/200/□
		500Ω	BLQC/500/□		500Ω	BLQT/500/□
		1KΩ	BLQC/1K/□		1KΩ	BLQT/1K/□
		2KΩ	BLQC/2K/□		2KΩ	BLQT/2K/□
		5KΩ	BLQC/5K/□		5KΩ	BLQT/5K/□
		10KΩ	BLQC/10K/□		10KΩ	BLQT/10K/□
		20KΩ	BLQC/20K/□		20KΩ	BLQT/20K/□
		50KΩ	BLQC/50K/□		50KΩ	BLQT/50K/□
		100KΩ	BLQC/100K/□		100KΩ	BLQT/100K/□
		200KΩ	BLQC/200K/□		200KΩ	BLQT/200K/□
		500KΩ	BLQC/500K/□		500KΩ	BLQT/500K/□
		1MΩ	BLQC/1M/□		1MΩ	BLQT/1M/□
		2MΩ	BLQC/2M/□		2MΩ	BLQT/2M/□
		Ambient temperature			Replace "□" by "L" (-40°C) or "H" (-55°C) in the reference	

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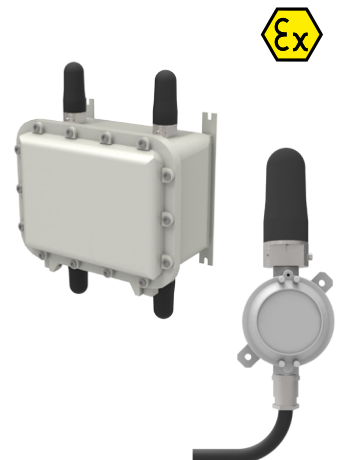
INDUSTRIAL WORKSTATIONS & HMI'S ATEX



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HAZARDOUS WIRELESS & ANTENNA SYSTEMS ATEX





/ FLEXIBLE ATEX & IECEx SOLUTIONS



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Contact us, we will be available at any time