

## APPROVALS

(for the latest certificate information and cable parameters, see [www.mtl-inst.com/certificates](http://www.mtl-inst.com/certificates))

Region (Authority)	UK (BASEEFA)	UK (BASEEFA) Systems	USA (FM)	Canada/USA (CSA)	Japan (TIIS)
<b>Standard</b>	EN 60079-0:2012 EN 60079-11:2012	EN 50039	3600, 3610 entity 3611, 3810	CAN/CSA E60079 UL698, UL913, UL1604 IEC60079, C22.2	See Certificates
<b>Approved for</b>	[Ex ia Ga] IIC [Ex ia Ga] IIB ‡ [Ex ia Da] IIIC	Ex ia IIC Ex ia IIB ‡	AIS/I,II,III/1/Entity ABCDEF- SCI-942; NI/1/2/ABCD/T4 [I/0] AEx[ia]IIC – SCI-942 Entity; NI/1/2/IIC/T4 Ta=60°C except † where Ta=65°C	Class 1, Div 2, Gps A,B, C,D; Ex nA [ia] IIC T4 Class 1, Zone 2, AEx nA IIC T4	Ex (ia) IIC Ex (ia) IIB ‡
<b>Model No.</b>	<b>Certificate No.</b>				
<b>MTL7706+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	
<b>MTL7707+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	
<b>MTL7707P+</b>	BAS01ATEX7218‡	Ex01E2220‡	3010737‡	1345550	
<b>MTL7710+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16433
<b>MTL7715+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16434
<b>MTL7715P+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16611
<b>MTL7722+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16435
<b>MTL7728+/-/ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16397
<b>MTL7728P+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16436
<b>MTL7729P+</b>	BAS01ATEX7218‡	Ex01E2220‡	3010737‡	1345550	C16612‡
<b>MTL7741</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16613
<b>MTL7742</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16614
<b>MTL7743</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16615
<b>MTL7744</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16616
<b>MTL7745</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16617
<b>MTL7755ac</b>	BAS01ATEX7217	Ex01E2219	3010737†	1345550	C16450
<b>MTL7756ac</b>	BAS01ATEX7217	Ex01E2219	3010737†	1345550	C16437
<b>MTL7758+/-</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16618
<b>MTL7760ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16619
<b>MTL7761ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16438
<b>MTL7761Pac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	
<b>MTL7764+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16440
<b>MTL7764ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16441
<b>MTL7765ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16620
<b>MTL7766ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16442
<b>MTL7766Pac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16443
<b>MTL7767+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16444
<b>MTL7778ac</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16621
<b>MTL7779+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16445
<b>MTL7787+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16447
<b>MTL7787P+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16448
<b>MTL7788+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16449
<b>MTL7788R+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16449
<b>MTL7789+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16622
<b>MTL7796+</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16446
<b>MTL7796-</b>	BAS01ATEX7217	Ex01E2219	3010737	1345550	C16446
<b>MTL7798</b>			NI only		

**Note:** For FM compliance, the MTL7700 range of barriers shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

‡ Certified to CENELEC IIB/FM Grps C-G only.

† USA (FM) T<sub>a</sub> = 65°C See "Approved for" above

## CORRELATION BETWEEN MTL7700 – MTL7000 – MTL700 BARRIERS (IIC)

Module No.	Bussed Power	MTL7000 Equivalent	MTL7000 Original Certificate Number(s)	MTL7000 ATEX Certificate Number(s)	MTL700 equivalent	MTL700 Original Certificate Number(s)	MTL700 ATEX Certificate Number(s)	Typical Application
MTL7710+	No	Half of MTL7162+	Ex95C2261	BAS99ATEX7285	MTL710+	Ex832452	BAS01ATEX7202	4/6V Systems
MTL7715+	No	N/A	N/A	N/A	MTL715+	Ex832452	BAS01ATEX7202	12V Systems
MTL7715P+	No	N/A	N/A	N/A	MTL715P+	Ex92C2373	BAS01ATEX7202	12V Systems
MTL7722+	No	MTL7122+	Ex95C2261	BAS99ATEX7285	MTL722+	Ex832452	BAS01ATEX7202	General Purpose
MTL7728+/-	No	MTL7028+/- MTL7128+/-	Ex95C2261	BAS99ATEX7285	MTL728+/-	Ex832452	BAS01ATEX7202	Analogue / Digital
MTL7728ac	No	N/A	N/A	N/A	MTL728ac	Ex832452	BAS01ATEX7202	General Purpose
MTL7728P+	No	MTL7128P+	Ex95C2261	BAS99ATEX7285	MTL728P+	Ex92C2373	BAS01ATEX7202	Analogue / Digital
MTL7755ac	No	MTL7055ac	Ex95C2261	BAS99ATEX7285	MTL755ac	Ex832452	BAS01ATEX7202	RTD, Grounded
MTL7756ac	No	MTL7056ac	Ex95C2261	BAS99ATEX7285	N/A	N/A	N/A	RTD, Grounded
MTL7758+/-	No	N/A	N/A	N/A	MTL758	Ex83453	BAS01ATEX7217	Active sensors,
MTL7760ac	No	N/A	N/A	N/A	MTL760ac	Ex832452	BAS01ATEX7202	Active sensors, Thermocouples
MTL7761ac	No	MTL7261ac	Ex95C2261	BAS99ATEX7285	MTL761ac	Ex832452	BAS01ATEX7202	Strain Gauges
MTL7761Pac	No	MTL7061Pac MTL7161Pac	Ex95C2261	BAS99ATEX7285	MTL761Pac	Ex92C2373	BAS01ATEX7202	Load cell
MTL7764+	No	MTL7164+	Ex95C2261	BAS99ATEX7285	MTL764+	Ex832452	BAS01ATEX7202	High resistance
MTL7764ac	No	MTL7264ac	Ex95C2261	BAS99ATEX7285	MTL764ac	Ex832452	BAS01ATEX7202	Strain / Level Gauges
MTL7765ac	No	N/A	N/A	N/A	MTL765ac	Ex832452	BAS01ATEX7202	General Purpose
MTL7766ac	No	N/A	N/A	N/A	MTL766ac	Ex832452	BAS01ATEX7202	Strain Gauges
MTL7766Pac	No	MTL7066Pac MTL7166Pac	Ex95C2261	BAS99ATEX7285	MTL766Pac	Ex92C2373	BAS01ATEX7202	Strain Gauges
MTL7767+	No	MTL7167+	Ex95C2261	BAS99ATEX7285	MTL767+	Ex832452	BAS01ATEX7202	Dual MTL715
MTL7779+	No	N/A	N/A	N/A	MTL779+	Ex832452	BAS01ATEX7202	Dual MTL728
MTL7787+/-	Yes	MTL7087+ MTL7187+	Ex95C2261	BAS99ATEX7285	MTL787S+	Ex832452	BAS01ATEX7202	Analogue / Digital
MTL7787P+	Yes	MTL7087P+ MTL7187P+	Ex95C2261	BAS99ATEX7285	MTL787SP+	Ex92C2373	BAS01ATEX7202	Analogue / Digital
MTL7788+	Yes	N/A	N/A	N/A	MTL788+	Ex832452	BAS01ATEX7202	Transmitters
MTL7788R+	Yes	N/A	N/A	N/A	MTL788R+	Ex832452	BAS01ATEX7202	1—5V systems
MTL7796+/-	No	MTL7096- MTL7196-	Ex95C2261	BAS99ATEX7285	MTL796+/-	Ex832452	BAS01ATEX7202	Vibration sensors



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