Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTD

Attn: Mr. ANDREW CLARKE,

POWER COURT, LUTON,

BEDS., LU1 377. ENGLAND.

TELEPHONE NO. (0582) 23633

DATE 13th NOVEMBER 1986
Company Assigned Code No. 132010

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER	SPECIFI	CATIONS
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- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 702
- 4. Class Requested ______
- 5. Maximum Output Voltage 25V
- 6. Maximum Output Current 125mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

	FOR MSHA USE ONLY
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CI 702 -	-401	SHEETS	1 70	6					
I	R Gaun Original S	Signature)		,	SEN. CER	TIFICATION (Title):	ENG.	_attest	that

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief,	Appr	oval	and	Certi	ficati	on	Center
Industr	ial	Park	Bou1	levard			
RR #1,	Box	201B					
Triadel	Lphia	, Wes	st Vi	lrgini	a 2605	9	

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTD

Attn: MR. ANDREW CLARKE. POWER COURT, LUTON,

BEDS. LUI 377. ENGLAND

TELEPHONE NO. (0582) 23633

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LABEL DESIGN ATTACHED

ISSUE NO.

DATE 13th NOVEMBER 1986 Company Assigned Code No. 132011

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

- FOR MSHA USE ONLY BARRIER SPECIFICATIONS
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.

Nomenclature SHUNT DIODE SAFETY BARRIER

- 3. Part/Model No. MTL710 (+) (-), (ac)
- 4. Class Requested D
- 5. Maximum Output Voltage 10 V
- 6. Maximum Output Current 200 m A
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI 700-401 TO CI 700-409.

CI710 - 401, CI 710 - 402,

, SEN. CERTIFICATION ENG. attest that (Original Signature)

TECHNOLOGY LTD. will maintain signed inspection records MEASUREMENT

APPLICATION LETTER Barrier Classification for use on

Mine Wide Monitoring Systems

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LT Attn: MR. ANDREW CLARKE, POWER COURT, LUTON, BEDS. LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

DATE 27th February 1987
Company Assigned Code No. 132040

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL715
- 4. Class Requested G
- 5. Maximum Output Voltage 15V
- 6. Maximum Output Current 150mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI700-401 TO CI700-409, CI715-401 (34.13)

Original Signature)

SEN. CERTIFICATION ENG. attest that (Title):

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

traceable to each unit on which we affix a classification label, to insure that it meets all the safety requirements listed above.

FOR MSHA USE ONLY

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CLASSIFICATION G

ISSUE NO. 38

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LABEL DESIGN ATTACHED

per dwgs below

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. ANDREW CLARKE,

POWER COURT, LUTON,

BEDS., LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

SHA USE ONLY

CLASSIFIED

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LABEL DESIGN ATT

DATE 13th November 1986
Company Assigned Code No. 132013

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 722 (+),(-)
- 4. Class Requested ______
- 5. Maximum Output Voltage 22V
- 6. Maximum Output Current 147mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI700-401 TO CI700-409,
CI722-401,

I DRGaunt , SEN. CERTIFICATION ENG. attest that (Original Signature) (Title)

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records
(Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. ANDREW CLARKE,

POWER COURT, LUTON,

BEDS., LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

DATE 13th November 1986
Company Assigned Code No. 132014

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 728 (+) (-) (ac)
- 4. Class Requested _____
- 5. Maximum Output Voltage 28V
- 6. Maximum Output Current 93mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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CI 700 - 401 TO	CI700-409,	
CI 728 - 401, CI 728 - 402,	,	

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MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. ANDREW CLARKE,

POWER COURT, LUTON,

BEDS., LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

DATE	13th	NOVEMBER	1986	
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GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

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- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 751
- 4. Class Requested β
- 5. Maximum Output Voltage 1V
- 6. Maximum Output Current 100 mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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CI 751-401,		•/

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MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTI Attn: MR. ANDREW CLARKE. POWER COURT LUTON, BEDS. LUI 377. ENGLAND TELEPHONE NO. (0582) 23633

FOR MSHA USE ONLY

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ESSUE NO. 4

DATE 13th NOVEMBER 1986
Company Assigned Code No. 132016

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL755
- 4. Class Requested B
- 5. Maximum Output Voltage 3V
- 6. Maximum Output Current 300 mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI700-401 TO CI700-409. CI 755 - 401, , SEN. CERTIFICATION ENG. attest that (Title) (Original Signature)

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records

Chief, Approval and Certification Center
Industrial Park Boulevard
RR #1, Box 201B
Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. Andrew Clarke,

Power Court, Luton,

BEDS., LU1 377. ENGLAND.

TELEPHONE NO. (0582) 23633

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ATE _	13F1	n No	VEM	3ER	1986
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GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 760
- 4. Class Requested D
- 5. Maximum Output Voltage 10V
- 6. Maximum Output Current 200 mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI700-401 TO CI700-409, CI760-401,

I DR Gaunt, SEN, CERTIFICATION ENG. attest that (Original Signature) (Title).

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval	and Certification Center	
Industrial Park	Boulevard	
RR #1, Box 201B		
Triadelphia, Wes	t Virginia 26059	

COMPANY NAME & ADDRESS
MEASUREMENT TECHNOLOGY L-
Attn: MR. ANDREW CLARKE,
POWER COURT, LUTON,
BEDS. LUI 377. ENGLAND
TELEPHONE NO. (0582) 23633

CLASSIFIED

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LABEL DESIGN ATTACHED

ISSUE NO.

DATE 27th February 1987
Company Assigned Code No. 132041

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Nodel No. MTL 761
- 4. Class Requested H
- 5. Maximum Output Voltage 16.2V
- 6. Maximum Output Current 86mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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(1700-401 T	0 CI 700-409,	
CI 761- 401,		

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MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records
(Company)

COMPANY NAME & ADDRESS

APPLICATION LETTER Barrier Classification for use on

Mine Wide Monitoring Systems

Chief, Approval and Certification Center	MEASUREMENT TECHNOLOGY LT		
Industrial Park Boulevard RR #1, Box 201B	Attn: MR. ANDREW CLARKE.		
Triadelphia, West Virginia 26059	POWER COURT, LUTON,		
	BEDS. LUI 377 ENGLAND		
DATE 27th February 1987 Company Assigned Code No. 132042	TELEPHONE NO. (0582) 23633		
GENTLEMEN:			
We are requesting an evaluation of a barrier to be use Systems.	d on Mine Wide Monitoring		
BARRIER SPECIFICATIONS	FOR MSHA USE ONLY		
1. Nomenclature SHUNT DIODE SAFETY BARRIER	MSHA		
2. Manufacturer MEASUREMENT TECHNOLOGY LTD.	CLASSIFIED		
3. Part/Model No. MTL 764(+)(-) C.	ASSIFICATION G		
4. Class Requested G	UE NO39		
5. Maximum Output Voltage 12.6V	MATURE KARLIK 3/23/87		
6. Maximum Output Current IInA	BEL DESIGN ATTACHED		
7. Barrier Input Voltage Rating 250V			
8. Approval Agency FACTORY MUTUAL			
ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):			
CI 700-401 TO CI 700-409,			

CI 764 -401,

, SEN. CERTIFICATION ENG. attest that (Original Signature) (Title)

TECHNOLOGY LTD. will maintain signed inspection records MEASUREMENT (Company)

Chief, Approval and Certification Center
Industrial Park Boulevard
RR #1, Box 201B
Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LT
Attn: Mr. ANDREW CLARKE.

POWER COURT, LUTON,

BEDS. LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

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LABEL DESIGN ATTACHED

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DATE 7th February 1987
Company Assigned Code No. 132043

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 704 QC
- 4. Class Requested ______
- 5. Maximum Output Voltage 23V
- 6. Maximum Output Current IImA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI 700-401 to CI 700-409 CI 764-402

I DRGaunt,	SEN. CERTIFICATION ENG. attest the	ıt
(Original Signature)	(Title):	

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records
(Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. ANDREW CLARKE,

POWER COURT, LUTON,

BEDS., LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

DATE 13th NOVEMBER 1986
Company Assigned Code No. 132020

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 765
- 4. Class Requested G
- 5. Maximum Output Voltage 15V
- 6. Maximum Output Current 150mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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CI700-401	TO	CI 700 - 409
CI 765 - 401,		

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	(Original Signature)	(Title) ·	

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records
(Company)

Chief, Approval and Certification Center

Industrial Park Boulevard RR #1, Box 201B

Triadelphia, West Virginia 26059

MEASURE	MENT TECHNOLOGY LT
Attn: MR.	ANDREW CLARKE,
POWER	COURT, LUTON,
BEDS.,	LUI 377. ENGLAND
TELEPHONE	NO. (0582) 23633

FOR MSHA USE ONLY

CLASSIFIED

COMPANY NAME & ADDRESS

DATE	2741	Februar	1987	
			0. 132044	

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- Nomenclature SHUNT DIODE SAFETY BARRIER
- Manufacturer MEASUREMENT TECHNOLOGY LTD.
- Part/Model No. MTL 766 3.
- Class Requested ________
- 5. Maximum Output Voltage 23V
- 6. Maximum Output Current 72mA

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	I766-401,				
C	I 700 -401 TO CI 700-409,				
ELE	CTRICAL SCHEMATIC OR DRAWING REFERENCE(S):				
8.	Approval Agency FACTORY MUTUAL				
7.	Barrier Input Voltage Rating 250V	-		1	

(Original Signature)

TECHNOLOGY LTD. will maintain signed inspection records MEASUREMENT

Chief, Approval and Certification Center
Industrial Park Boulevard
RR #1, Box 201B
Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI
Attn: Mr. ANDREW CLARKE.

POWER COURT LUTON,

BEDS. LUI 377. ENGLAND.

DATE 13th NOVEMBER 1986
Company Assigned Code No. 132023

TELEPHONE NO. (0582) 23633

FOR MSHA USE ONLY

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GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 767 (+),(-)
- 4. Class Requested <u>G</u>
- 5. Maximum Output Voltage 15V
- 6. Maximum Output Current 150mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI700-401 TO CI700-409, CI 767-401,

I D.R. Gaunt, SEN. CERTIFICATION ENG. attest that (Original Signature) (Title).

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LT Attn: MR. ANDREW CLARKE. POWER COURT LUTON. BEDS. LUI 377. ENGLAND TELEPHONE NO. (0582) 23633

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ISSUE NO.

DATE 13th NOVEMBER 1986 Company Assigned Code No. 132022

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 768 (+)(-)
- 4. Class Requested J
- 5. Maximum Output Voltage 22V
- 6. Maximum Output Current 147 mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S): CI700-401 TO CI700-409, CI 768-401. , SEN. CERTIFICATION ENG. attest that Garm (Title) . (Original Signature)

TECHNOLOGY LTD. will maintain signed inspection records MEASUREMENT traceable to each unit on which we affix a classification label, to insure that it

meets all the safety requirements listed above.

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANI NAME & ADDRESS
MEASUREMENT TECHNOLOGY LT
Attn: MR. ANDREW CLARKE,
POWER COURT, LUTON,
BEDS., LUI 377. ENGLAND
TELEPHONE NO. (0582) 23633

DATE 13th NOVEMBER 1986
Company Assigned Code No. 132024

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 772
- 4. Class Requested _______
- 5. Maximum Output Voltage 22V
- 6. Maximum Output Current 73mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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CI 772 - 401	,	

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MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)



Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTI Attn: MR. ANDREW CLARKE. POWER COURT, LUTON, BEDS. LUI 377. ENGLAND

FOR MSHA USE ONLY

		'
DATE 13th NOVEMBER	1986	TELEPHONE NO. (0582) 23633
Company Assigned Code No.	132025	

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

Dimini Di Doll Toni Tono	BARRIER	SPECIF	ICATIONS
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- 3. Part/Model No. MTL778
- 4. Class Requested K
- 5. Maximum Output Voltage 28V
- 6. Maximum Output Current 47mA
- 7. Barrier Input Voltage Rating 250V
- Approval Agency FACTORY MUTUAL

AncM Nomenclature SHUNT DIODE SAFETY BARRIER CLASSIFIED 2. Manufacturer MEASUREMENT TECHNOLOGY LTD. SIGNATURE & LABEL DESIGN ATTACHED ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

CI700-401 TO CI700-409		1.2 W		
CI 778 - 401,	,			
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TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTI Attn: MR. ANDREW CLARKE. POWER COURT, LUTON, BEDS. LUI 377. ENGLAND TELEPHONE NO. (0582) 23633

DATE 13th NOVEMBER 1986 Company Assigned Code No. 132026

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 779 (+) (-)
- 4. Class Requested K
- 5. Maximum Output Voltage 28V
- 6. Maximum Output Current 93mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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CI 700-401 TO CI 700-409,	
CI 779 - 401,	
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MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. ANDREW CLARKE,

POWER COURT, LUTON,

BEDS., LUI 377. ENGLAND.

TELEPHONE NO. (0582) 23633

DATE 13th November 1986
Company Assigned Code No. 132027

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 786 (+) (-)
- 4. Class Requested K
- 5. Maximum Output Voltage 28V
- 6. Maximum Output Current -
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

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CI700-401	TO	CI 700-409,
CI 786-401,		
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MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTI Attn: MR. ANDREW CLARKE. POWER COURT, LUTON, BEDS. LUI 377. ENGLAND

TELEPHONE NO. (0582) 23633

DATE 13th NOVEMBER 1986 Company Assigned Code No. 132028

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 787 (+)(-),
- 4. Class Requested K
- 5. Maximum Output Voltage 28V
- 6. Maximum Output Current 93mA
- 7. Barrier Input Voltage Rating 250V
- Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

FOR MSHA USE ONLY CLASSIFIED

CLASSIFICATION ISSUE NO. SIGNATURE KOLO LABEL DESIGN A

CI 700 - 40	70	CI 700	- 409,			
CI 787 -40	ι,					
	RGa				 	
	inal Sign		,	SEN. CERTIFICATI	_attest	that

TECHNOLOGY LTD. will maintain signed inspection records (Company)

Chief, Approval and Certification Center

Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTI Attn: MR. ANDREW CLARKE. POWER COURT, LUTON, BEDS. LUI 377. ENGLAND TELEPHONE NO. (0582) 23633

DATE 1	3th N	OVEMBER	1986	
		ed Code No.	·	

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- Nomenclature SHUNT DIODE SAFETY BARRIER
- Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL788
- Maximum Output Voltage 28V
- 6. Maximum Output Current 93nA, 200nA
- 7. Barrier Input Voltage Rating 250V
- Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

(Original Signature)

USE ONLY CLASSIFIED CLASSIFICATION ISSUE NO. LABEL DESIGN ATTACHED

CI 700-401 TO	CI 700 - 409,
CI 788-401,	·
I DRG aux	

TECHNOLOGY LTD. will maintain signed inspection records MEASUREMENT (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1. Box 201B Triadelphia, West Virginia 26059

COMPANY NAME & ADDRESS MEASUREMENT TECHNOLOGY LTI Attn: MR. ANDREW CLARKE, POWER COURT, LUTON, BEDS. LUI 377. ENGLAND TELEPHONE NO. (0582) 23633

CLASSIFIED

LABEL DESIGN ATTACHED

CLASSIFICATION

DATE 13th NOVEMBER 1986 Company Assigned Code No. 132030

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 788R
- 4. Class Requested K
- 5. Maximum Output Voltage 28V . 10V.
- 6. Maximum Output Current 93mH, 200mA,

7. Barrier Input Voltage Rating 250V 8. Approval Agency FACTORY MUTUAL ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S): CI700-401 TO CI700-409, CI788 - 401,

T	DRGaunt	, SEN.	CERTIFICATION	ENG.	_attest	tha
	(Original Signature)		(Title) ·			

TECHNOLOGY LTD. will maintain signed inspection records MEASUREMENT (Company)

Chief, Approval and Certification Center Industrial Park Boulevard RR #1, Box 201B Triadelphia, West Virginia 26059 COMPANY NAME & ADDRESS

MEASUREMENT TECHNOLOGY LTI

Attn: Mr. Andrew Clarke,

Power Court, Luton,

BEDS., Lul 377. England,

TELEPHONE NO. (0582) 23633

DATE 13th November 1986
Company Assigned Code No. 132031

GENTLEMEN:

We are requesting an evaluation of a barrier to be used on Mine Wide Monitoring Systems.

BARRIER SPECIFICATIONS

- 1. Nomenclature SHUNT DIODE SAFETY BARRIER
- 2. Manufacturer MEASUREMENT TECHNOLOGY LTD.
- 3. Part/Model No. MTL 796 (+),(-),
- 4. Class Requested K
- 5. Maximum Output Voltage 26V 20V
- 6. Maximum Output Current 87mA 51mA
- 7. Barrier Input Voltage Rating 250V
- 8. Approval Agency FACTORY MUTUAL

ELECTRICAL SCHEMATIC OR DRAWING REFERENCE(S):

MSHA
CLASSIFIED

CLASSIFICATION K

SSUE NO. 14

SIGNATURE Winduck

A FEB 27

LABEL DESIGN ATTACHED

CI700-401	70	CI700-409,	
CI 796-401,			

DRGaunt	, SEN. CERTIFICATION ENG. attest that
(Original Signature)	(Title) .

MEASUREMENT TECHNOLOGY LTD. will maintain signed inspection records (Company)