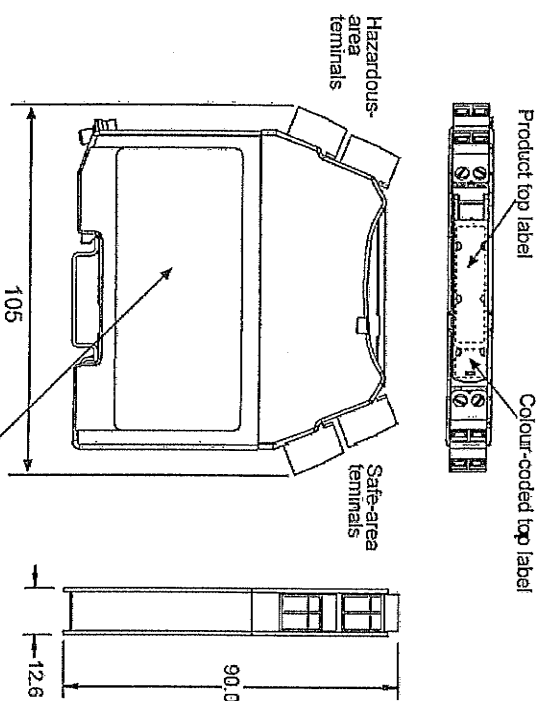


# Specifications

MTL Model NO.	Safety Description		Polarities Available		Typical Applications	Basic Circuit	Max. end-to-end resistance $\Omega$	Wkg at $1 \mu A$ V	Vmax V	Fuse rating mA	Remarks
	V	$\Omega$	mA	+							
7706+	28	93	300	+	-	ac					
Transmitter (4/20mA)											

## Dimensions in mm



## Common Specification

Ambient temperature and humidity limits  
 Ambient temperature and humidity limits  
 $-20^{\circ}C \sim +60^{\circ}C$  continuous working  
 $-40^{\circ}C \sim +80^{\circ}C$  storage  
 $5 \sim 95\% RH$

Working voltage  
 0.6V : Leakage current is  $10 \mu A$

Terminations  
 Removable terminals accommodate conductors up to  $2.5mm^2$  (13AWG), Hazardous-area terminals are identified by blue labels. Removal force  $> 15N$

Colour coding of barrier label  
 Grey: Non-polarised  
 Red : positive polarity  
 Black : negative polarity  
 Weight  
 140g approx  
 Certificate No. (BASEEFA)  
 BAS01ATX7217

## ADDITIONAL SPECIFICATION

**Safety description**  
 28V 300mA 93mA

**Supply voltage**  
 20 to 35V dc w.r.t earth

**Output current**  
 4 to 20 mA

**Voltage available to transmitter and lines**  
 16.2V @ 20mA with 250 $\Omega$  load (negative w.r.t. earth)  
 11.0V @ 20mA with 500 $\Omega$  load (negative w.r.t. earth)

**Accuracy**  
 $\pm 2\mu A$  under all conditions

**Safe-area load resistance**  
 0 to 500 $\Omega$

**Supply current**  
 45mA typical at 20mA and 24V supply  
 60mA maximum at 20mA and 20V supply

REV.	PROJECT NAME:		Title	
REV.	USER NAME:		MTL 7706+ Specification	
REV.	JOB NAME:		SIZE	FSCM NO
REV.	Ref no.:		DATE	SCALE
	CHKD	T. I	DRAWN	IS
				N/A
				SHEET
				1 / 1

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Drawing No.  
**SS-MTL 7706+(E)**

REV