

EX TECHNIK

Q300 PLUS

DATA SHEET



EX TECHNIK

Contents

Features.....3

Photos.....4

MASC Certificates.....5



Features

LCD	8" HD 1280*800 500Nits
Touch panel	Capacitive
Size	235*146*13mm
Weight	598g
Drop Test	1.2m
Water proof	IP67
Work Temp	-20°C~60°C
Storage Temp	-30°C~70°C
CPU	SDM450 8*1.8GHz
OS	Android 9.0
RAM	3GB
Flash	32GB
Rear Camera	13M Sony Sensor
Front Camera	5M
Flash Light	Y
WIFI	802.11 a/b/g/n/ac, 2.4GHz/5GHz
	GSM:850/900/1800/1900
	EVDO:BC0
	WCDMA: B1/B2/B5/B8
	TD-SCDMA: B34/B39
	TDD-LTE:
Network	Band38/Band39/Band40/Band41
	FDD-LTE:
	Band1/Band2/Band3/band4/band5/Ban d7/band8/band17/band20/band28
SIM Card	Dual sim & Dual standby
T Card	Y
Bluetooth	BT4.1
USB	Type C
Battery	8000mAh
Fast Charge	QC3.0
NFC	Y
Fingerprint	N/A
G Sensor	Y
Gyroscope	Y
Light Sensor	Y
E Compass	Y
GPS	uBlox GPS
GPS Antenna	PIFA
External GPS Antenna	Y
Extended Interface	USB, UART, I2C, GPIO
Keypad	Power, Volume up/down, F1, F2

Photos



MASC Certificate



Mining And Surface Certification (Pty) Ltd

(Pty) Ltd: 2015/021934/07

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

IA CERTIFICATE	MASC M/20-8368X	Issue	0
Issue Date	16 September 2020	Expiry Date	16 September 2030
Applicant	Repro Supplies (Pty) Ltd, Unit 14 No 3 Saligna Street, Saligna park, Witfield, Boksburg		
Manufacturer	Repro Supplies (Pty) Ltd, Unit 14 No 3 Saligna Street, Saligna park, Witfield, Boksburg		
Description	The unit is a battery operated handheld device. The enclosure houses PCB's and a battery. The front part of the unit comprises of a touch screen. The unit is powered from Li-Io battery pack. The unit has at least an IP54 rating that is maintained by enclosure design.		
Equipment	Handheld Tablet	Type	Q300
MARKING:	Applicant / Manufacturer Type Ex Marking IA Number Serial Number	Repro Supplies (Pty) Ltd Q300 Tablet Ex ia I Ma MASC M/20-8368X See "Annex A" below	
Compliance: The equipment as described above and in MASC report 20-8368 has been allocated the rating <u>Explosion Protected Ex ia I Ma</u> utilizing the SANS/IEC Standards: - SANS (IEC) 60079-0:2012 General requirements - SANS (IEC) 60079-11:2012 Equipment protected by intrinsic safety "i" - ARP 0108:2014 Regulatory requirements for explosion protected apparatus			
Special conditions of safe use X: See "Annex A" below			
Conditions of manufacture: See "Annex A" below			
 C Welthagen TECHNICAL SPECIALIST		 D.P Visser TECHNICAL SPECIALIST	
This certificate only covers the sample submitted and does not cover production units. According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).			

Page 1 of 2



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:
SANS 10086 requirements;
Any conditions mentioned in the above certificate;
Any relevant requirements of the MHS Act and code of practice enforced in terms of regulations 21.17.2 of the minerals act;
Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).
This certificate may only be reproduced in full.
This certificate is not transferable and remains the property of the issuing body
Mining And Surface Certification (Pty) Ltd
Unit 5 Lelyta Park, 45 Jurg Ave, Hennopspark Ext 87
Centurion, 0157



IA CERTIFICATE: MASC M/20-8368X Q300 Tablet

Page 2 of 2

ANNEX A

Description	Enclosure	Populated	Unpopulated
	General	The unit is a battery operated handheld device. The enclosure houses PCB's and a battery. The front part of the unit comprises of a touch screen. The unit is powered from Li-Io battery pack. The unit has an IP54 rating that is maintained by enclosure design.	
Standard compliance	See "certificate" above		
Warnings	None		
Conditions of Certification			
According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory.) and be identifiable by a unique and traceable serial number.			
Special Conditions of safe use (X)	• A Static Hazard may exist. Only wipe with a damp cloth. • No additional accessories may be plugged into the unit when used in the hazardous area. • The unit may only be charged in the safe area. • The GSM / RF power must be limited to 500mW when used in a Group I area.		
Conditions of manufacture	• Four 0.05Ω, 2W resistors must be incorporated in-line • A 3A fuse must be incorporated in-line. • The unit must be fully encapsulated. • The unit must be powered from a battery pack that has an UL16420 or equivalent approval in place		

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices

Mining And Surface Certification Pty (Ltd) Reg No: 2015/021934/70
 Directors: Roelof Viljoen & Francois du Toit
 Unit #5, Lelyta Park, 45 Jurg Avenue, Hennopspark Ext 87, Centurion, 0157 ♦ P.O. Box 14344, Clubview, 0014
 Tell: 012 653 2959 ♦ Fax: 086 605 8568
 e-mail: info@masc-ex.co.za
