

# TC2290

## THE ULTIMATE CLASSIC DYNAMIC DIGITAL DELAY

In recording studios, PA rigs and guitar racks all over the world the TC 2290 is known as the industry standard Digital Delay.

The explanation behind the achievement of this position is crystal clear sound quality combined with unique features, that allow you to work with effects and music in a creative way.

Five programmable effect loops and MIDI allow the TC 2290 to control your rack boxes and your favorite pedals at the same time.

The Dynamic Control and Learn function provides you with a very unique tool to create new and exciting effects.

The unique Dynamic Function enables you to suppress the effects when you are playing and let the effects reappear when you stop playing or the opposite.



## FEATURES:

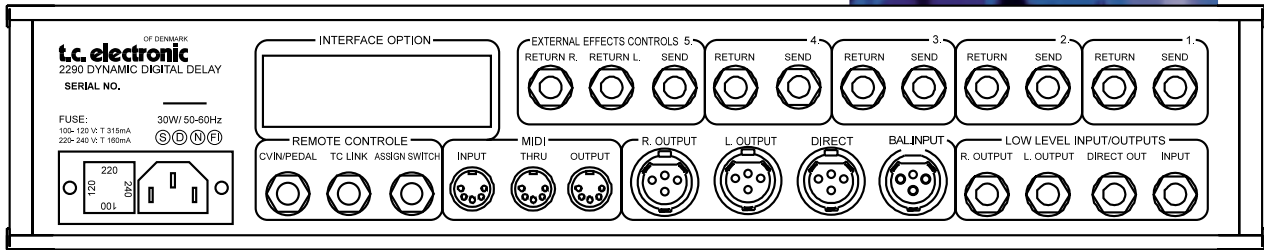
- ◆ WORLD-WIDE INDUSTRY STANDARD IN RECORDING, SOUND REINFORCEMENT AND BROADCAST FACILITIES.
- ◆ SUPERIOR TECHNICAL SPECIFICATIONS ENSURE FULLY TRANSPARENT SOUND QUALITY.
- ◆ "LEARN" BUTTON FOR EASY ENTRY OF DELAY TIME.
- ◆ SAMPLING WITH REAL TIME LOOPING AND SOUND ON SOUND. DYNAMIC CONTROL OF DELAY, DYNAMICS & PANNING.
- ◆ PROGRAMMABLE CHORUS, DUCKING, GATING & PANNING.
- ◆ DYNAMIC DELAY LOOPING FOR LIVE APPLICATIONS.
- ◆ FIVE PROGRAMMABLE EFFECT LOOPS FOR CONTROL OF EXTERNAL EFFECTS/PEDALS.
- ◆ STANDARD MEMORY 4 SEC., 8 SEC. WHEN USING DOUBLE DELAY TIME OR DOUBLE SAMPLING TIME.
- ◆ ULTRA FAST PROCESSING PROVIDES LOWEST ANALOG GROUP DELAY: <30 SEC.

**t.c. electronic**  
ULTIMATE SOUND MACHINES

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V I S I T O U R W E B S I T E A T : H T T P : / / W W W . T C E L E C T R O N I C . C O M

TC 2290



## TECHNICAL SPECIFICATIONS:

MAX. INPUT LEVEL (XLR)	+22 dBu
MAX. OUTPUT LEVEL (XLR)	+22 dBu
MAX. INPUT LEVEL (JACK)	+14 dBu
MAX. OUTPUT LEVEL (JACK)	+10 dBu
INPUT IMPEDANCE (JACK/XLR)	1 MOhm unbal. / 20 KOhm bal.
OUTPUT IMPEDANCE (JACK/XLR)	750 Ohm unbal. / 50 Ohm Electronically bal.
FREQUENCY RESPONSE:	20-20 KHz, +0 / -0.5 dB, 25 KHz, -3dB
TOTAL HARMONIC DIST:	< 0.05% 1 KHz, 0 dBm
DYNAMIC RANGE:	>100 dB
GROUP DELAY:	<30 microseconds
DELAY RESOLUTION:	0.1 nSec to 999.9 nSec. then 1 nSec
DIGITAL-CONVERSION:	Dynamic Differential
SAMPLING RATE:	1 MHz
ENVIRONMENT:	Operating, 0°C to 50°C
STORAGE:	-20°C to 60°C
POWER REQUIREMENTS:	Selectable: 100/120/ 220/ 240V, 50-60 Hz, 30W
DIMENSIONS:	3 1/2 x 19 x 9.5 inches (89 x 482 x 242 mm)
FINISH:	Black anodized aluminum face
PLATE:	Black painted steel chassis
NET WEIGHT:	12 lbs (5.7 kg)
SHIPPING WEIGHT:	19 lbs (6.4 kg)

## CONNECTIONS:

INPUT/OUTPUT:	1/4" Phone & XLR
REAR PANEL CONTROL:	Assign Switch and TC LINK or TC 0144 Serial Jack
MIDI:	In/Thru/Out

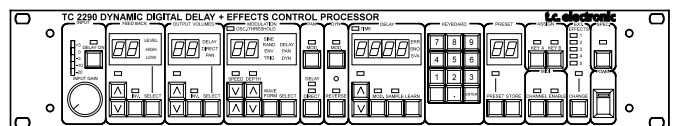
## CONTROLS & DISPLAYS:

INPUT GAIN:	Adjusts input gain - 10 dB
INPUT LEVEL:	PEM 5 section LED input meter labeled to indicate: -20, 10,-3,0,+3
BYPASS:	Single control electronic bypass, Non-volatile memory function
FEEDBACK CONTROLS:	Low Pass at 8, 4, 2 KHz, Hi Pass at 100, 200, 400 Hz Level in % and Phase inversion of feedback
OUTPUT VOLUME:	Delay, Direct, Delay + Direct, location of same in L & R outputs, phase inversion of Delay
MODULATION CONTROLS:	Individual control for Delay, Pan & Dynamic. Waveforms: Sine, Random, Envelope & Trig
PAN SECTION:	Panning of direct signal, Delay signal or both
DYN SECTION:	Enables Gating, Ducking, Sampling and Auto Trig
DELAY TIME:	Multi function 4 digit display reads Delay Time and Special Function Values
DELAY UP-DOWN:	Scroll buttons for adjusting Delay time
LEARN:	Tap in Delay times, start/stop of sample
KEYBOARD:	Numeric Keypad for parameter entry
PRESET:	Enters Preset mode
STORE:	Stores updated preset
KEYS A & B:	Programmable "Soft Keys" Sets record mode and edit points in sample mode
CHANNEL & ENABLE:	MIDI Channel & MIDI in enable
CHANGE:	Enables External Effects Loop mode
SPEC:	Enters Special Key Function Mode
POWER:	Front panel on/off switch

Note: Due to continuous development and standardization all specifications are subject to change without notice

Unlike other FX processors, the majority of the TC 2290's parameters are immediately accessible from the front panel. The Real Time Echo Looping, Tap Tempo Control and Five Logic Control Effects Loops make the TC 2290 the perfect choice for professional guitarists.

The TC 2290 Sampler is ideal for vocal spinning and drum replacement, due to the high sound quality and speed and ease of operation while the looping and Sound on Sound facilities are readily operable in a live performance situation.



AUTHORIZED DEALER:

